

Office of Chancellor

4301 W. Markham St., #541
Little Rock, AR 72205

MAIN: 501-686-5681

FAX: 501-686-8137

UAMShealth.com



Cam Patterson, M.D., MBA
Chancellor

June 25, 2020

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Senator Cecile Bledsoe, Chairman
Arkansas Legislative Council
500 Woodlane Street, Room 171
State Capitol Building
Little Rock, AR 72201

Representative Jeff Wardlaw, Chairman
Arkansas Legislative Council
500 Woodlane Street, Room 171
State Capitol Building
Little Rock, AR 72201

Dear Senator Bledsoe and Representative Wardlaw,

The purpose of this letter is to provide you with the report for the University of Arkansas for Medical Sciences (UAMS) National Cancer Institute Designation Trust Fund. A semiannual report of the use of funds from the trust fund is required pursuant to Act 181 of 2019.

The attached report provides information regarding the balance of the fund, administrative costs paid for from the fund, total revenue received by the fund and a detailed description of the steps taken and the progress made toward achieving status as a National Cancer Institute designated cancer center.

We are diligently working on recruiting physicians and researchers and expanding the infrastructure at the Cancer Institute as we prepare our application for designation.

Earning NCI designation for our cancer center will allow UAMS to provide cancer patients throughout the state of Arkansas with specialty cancer care close to home as well as providing access to cutting-edge clinical trials while expanding our work on cancer prevention.

Please contact me should you have any questions or need further information regarding this report.

Sincerely,

A handwritten signature in black ink, appearing to read "Cam Patterson", is written over a light gray, textured rectangular background.

Cam Patterson, M.D., MBA
Chancellor

NCI Fund

Legislative Report

December 1, 2019 – May 31, 2020

Winthrop P. Rockefeller Cancer Institute

NCI Designation Overview

National Cancer Institute Designation is recognition by the National Cancer Institute (NCI) for exceptional cancer research.

In 1971, President Richard Nixon signed the landmark National Cancer Act authorizing a national cancer program with funding to establish 15 new cancer centers. These new cancer centers were charged with conducting clinical research, training and demonstration of advanced diagnostic and treatment methods for cancer. The ultimate goal was for these centers to be distributed geographically such that 75% of the U.S. population would have access to care at one of these centers without requiring an overnight stay.

Today, the NCI cancer centers program has grown to include 71 cancer centers distributed throughout 36 states (**Figure 1**). These 71 centers represent the top 2% of cancer centers in the U.S.

Arkansas, Louisiana and Mississippi are the only cancer centers in the south that do not currently have an NCI Designated cancer center. The nearest NCI designated centers providing adult cancer care reside in Dallas, Oklahoma City, Kansas City, St. Louis and Nashville. These centers are all approximately 300+ miles (5+ hours drive) away from central Arkansas and not a feasible cancer care solution for most Arkansans.

Sylvester Cancer Center in Miami, Florida was the most recent cancer center to become designated in 2019. Prior to that, the most recently designated cancer centers were Stephenson Cancer Center in Oklahoma City, Oklahoma in 2018, Markey Cancer Center in Lexington, Kentucky in 2013 and the University of Kansas Cancer Center in Kansas City, Kansas in 2012.

The NCI cancer centers program continues to value the geographic distribution of its cancer centers and patient access to research driven cutting-edge care. The NCI recognizes that there is a great need and opportunity for Arkansas to have an NCI Designated cancer center, and it stands ready to support the Winthrop P. Rockefeller Cancer Institute on its journey toward NCI Designation.

Value of NCI Designation

NCI Designation is an enormous asset for any state that houses an NCI designated cancer center. Benefits include the following:

1. Direct monetary support from NCI will support cancer research that benefits Arkansans. While many cancer centers conduct research, the Winthrop P. Rockefeller Cancer Institute is the only academic institution in the U.S. focused on improving cancer outcomes in Arkansas. In fact, NCI requires its designated cancer centers to define their research portfolio based on what will make a difference in cancer prevention, awareness, treatment, survival and quality of life in the population they serve.
2. Indirect monetary gains include a projected \$70 million economic impact on the state of Arkansas annually. Further growth following NCI Designation is expected to increase that impact value. (Source: Arkansas Center for Health Improvement, 2018)

3. Becoming a member of the NCI Cancer Centers program will give Arkansas a seat at the table to drive national strategic planning for cancer research toward opportunities that will benefit Arkansas.
4. Arkansans will have access to clinical trials and new cancer treatments that are only available to cancer centers that are NCI designated.
5. Cancer researchers at the Winthrop P. Rockefeller Cancer Institute will have access to cancer research grants that are only available to NCI designated cancer centers. This provides the opportunity to increase the amount of cancer research designed to benefit Arkansans by approximately 60%.
6. The opportunity to partner with an NCI Designated cancer center will attract biotechnology and pharmaceutical companies to Arkansas.

Process to Attain NCI Designation (Figure 2)

NCI Designation is attained through strategic recruitment of cancer researchers and establishment of a sophisticated cancer research infrastructure prescribed by the NCI in its p30 Cancer Center Support Grant (CCSG) (<https://grants.nih.gov/grants/guide/pa-files/PAR-20-043.html>).

Cancer centers seeking NCI Designation undergo annual review by an External Advisory Board (EAB) to ensure that NCI's standards for a designated center are being met. These EAB meetings are critical to keep a cancer center on track for Designation and result in a formal report about the cancer center being filed with NCI. Once an EAB has determined that a cancer center is ready to apply for NCI Designation, the cancer center must meet with NCI and get their approval to apply for NCI Designation.

Once NCI approves a center to apply for NCI Designation, the center submits its CCSG to NCI according to the timeline set by NCI. Preparation of a CCSG generally takes two years and is often begun well before NCI approves a center to apply for Designation. Following submission of the grant, the cancer center will host a site visit from NCI and leaders from other cancer centers to review the cancer center. Both the written grant and site visit comprise the scores that determine if an NCI cancer center becomes designated.

After NCI Designation is attained, it must be renewed every five years with the submission of another CCSG and hosting of a site visit. This ensures that the standards set forth by NCI for a designated cancer center continue to be upheld.

Expected Timeline

The Winthrop P. Rockefeller Cancer Institute is targeting submission of its CCSG in approximately five years. Two critical factors may extend or decrease this timeline: 1) how quickly strategic cancer research recruitments can be made and 2) the timeline set by NCI for submitting a CCSG application.

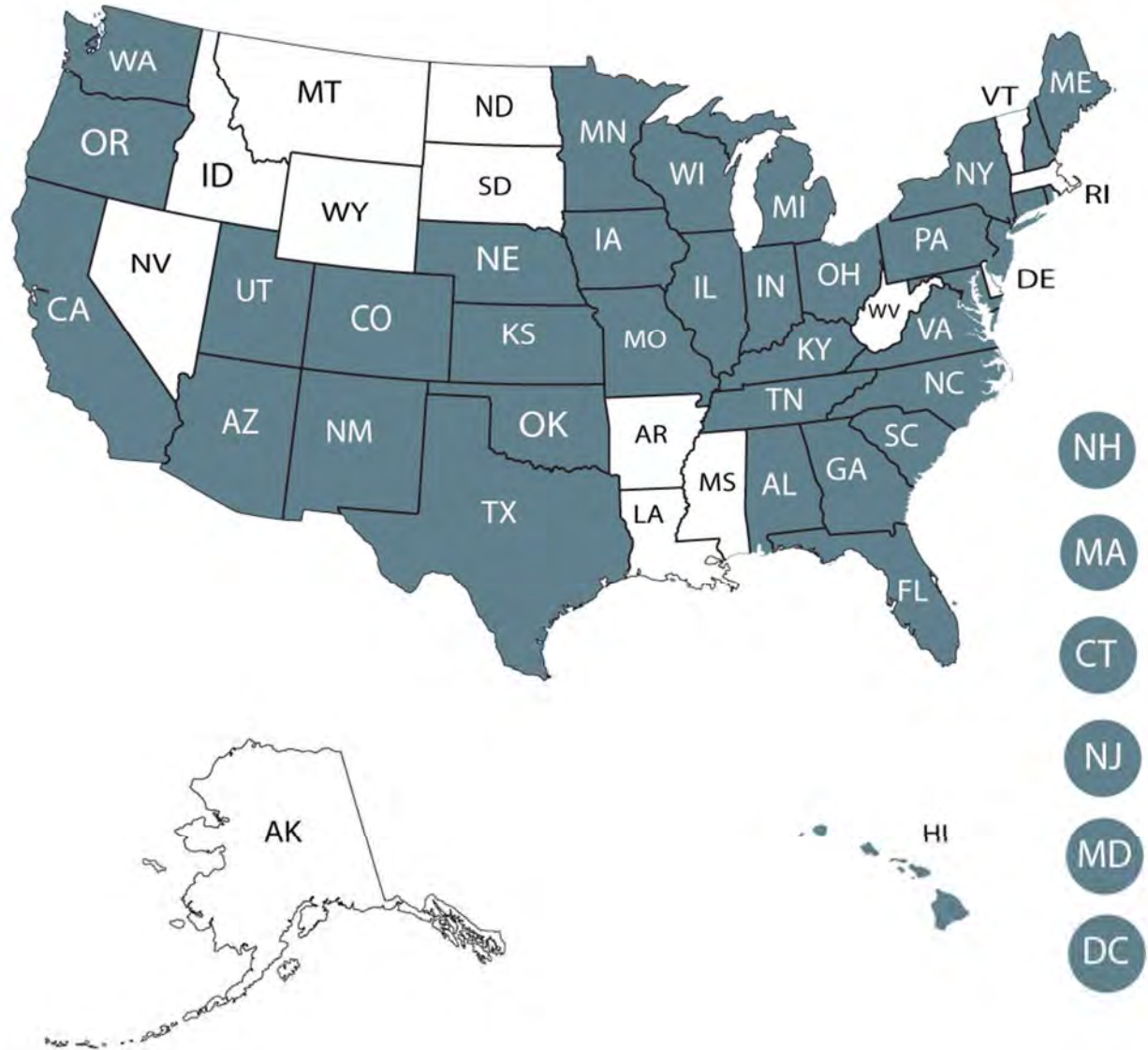
Impact of COVID-19:

The impact of COVID-19 on our state and the delivery of healthcare to our citizens has been the subject of much public focus and has required adherence to a common data-driven strategy by all healthcare providers. UAMS has altered many processes and services to provide the safest environment possible for all of our patients, accepting that this would lead to a temporary financial hardship for the organization. Since March, the Winthrop P. Rockefeller Cancer Institute has continued a full range of services to our patients and never closed any of our clinics. We did shift to the use of telemedicine for non-urgent follow-up visits in an effort to reduce the number of people in our building and to relieve the need for any unnecessary patient travel. Telemedicine visit usage rose to 7% of total visits at its highest point. With the federal government reimbursement rates adjusted to the same rate as face-to-face visits, there was some revenue to offset the revenue losses with the use of this technology. We did experience a drop in visits due to new patients choosing to delay their appointments and the temporary halt in non-urgent surgeries and procedures. Overall, our patient volume dropped by 35% between March 1 and April 25, 2020. Charges dropped by 22% for the same time period. Staff experienced a reduction in hours, which correlated, with the drop in clinic volumes.

Despite these losses, the way in which our cancer team managed to ensure that patients continued to receive the services and support they needed during this time was truly inspiring. Patient services were supported by many staff who took on additional roles such as transporting patients, performing COVID-19 screening at our entrances and participating in the drive through screening site on our campus. Over 1,000 high-risk patients were contacted by phone to ensure that they had the services, prescriptions and personal support they needed until they would be returning to regular clinic appointments. If problems were identified, our team intervened to resolve the issues and then stayed in touch with the patients and caregivers.

At this time, we have resumed most of our surgeries and procedures, patients are returning to campus as the state reopens and there is increasing confidence in the safety precautions UAMS has implemented. Currently, our volumes are quickly returning to the pre-COVID-19 levels with the first 2 weeks of June showing our volume at 92% of prior year. Business recovery is well under way and we expect to be near 100% by the end of June.

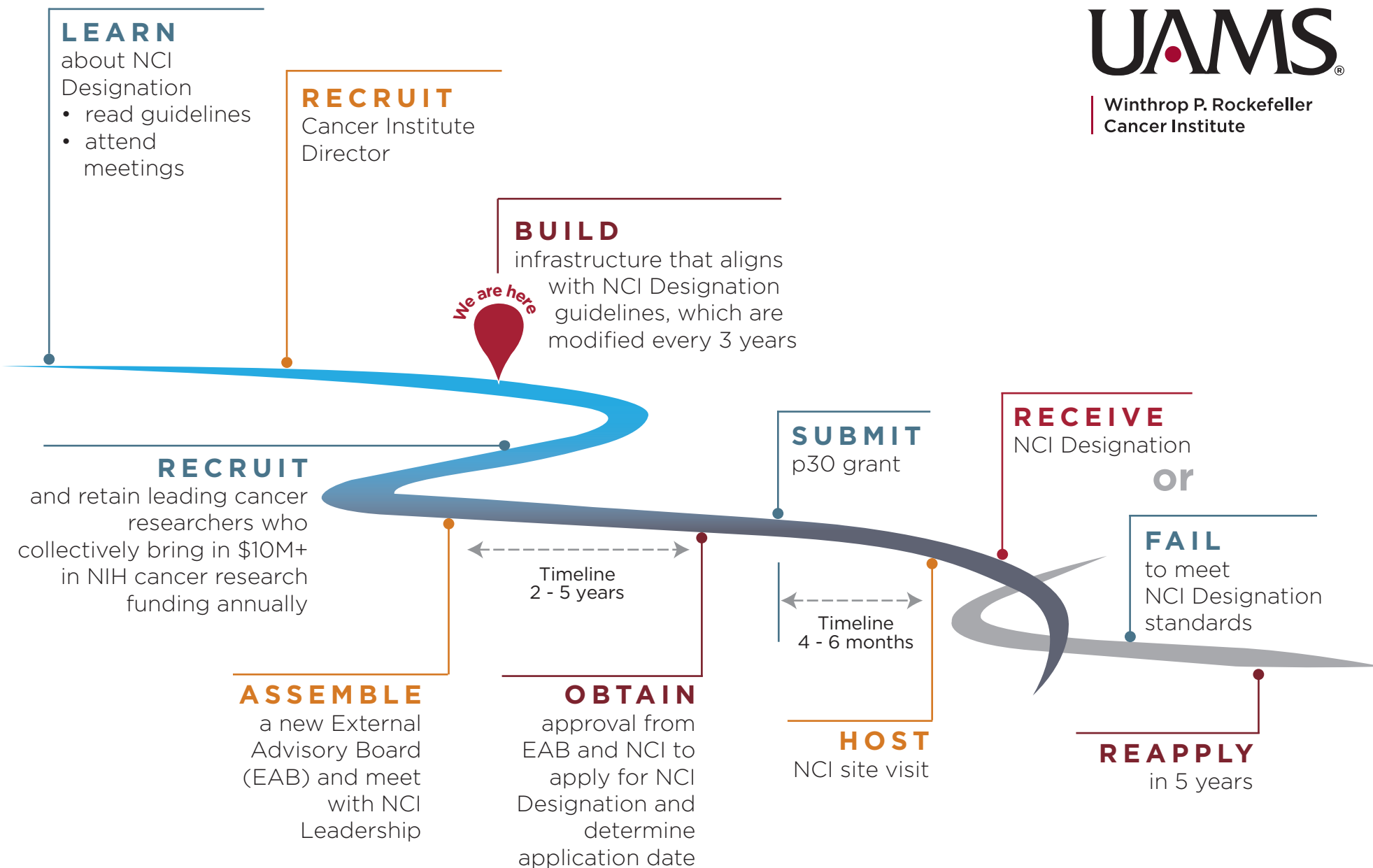
The impact of COVID-19 on NCI designation thus far has been limited, but should be noted. Laboratory research has continued throughout COVID-19 at UAMS. The majority of clinical research has continued with only a few trials halting enrollment for a few weeks. The primary impact has been felt in recruitment. As recruitment for cancer researchers ramped up this spring (see progress section below), candidates could not be brought on to campus. We switched immediately to virtual interviews which worked well but has created a temporary delay in the recruiting process. As all institutions are dealing with this, we have not lost any candidates as a result, but COVID-19 has slowed down our recruitment timeline. With many areas of the country opening back up again, we are currently proceeding with setting up in person candidate interviews to take place within the next couple of months.



Roadmap to NCI Designation



Winthrop P. Rockefeller
Cancer Institute



Winthrop P. Rockefeller Cancer Institute
Senate Bill 151
Trust Fund - Pursuit of a National Cancer Institute Designation
FY2020 Semiannual Report Due July 1, 2020

*Reporting Period (12/1/2019 - 5/31/2020)

Balance of Trust Fund (12/1/2019)	\$10,183,793.61
Total Transfers In	\$0.00
Special Revenue: Cigarette Paper Tax	\$917,416.31
**Processing Charges by DF&A on Special Revenue	(\$28,439.91)
**Workers Comp Charged direct by DF&A	(\$7,576.07)
Net Revenue Received To Trust Fund	<u>\$11,065,193.94</u>

Expense Draws Processed:

Expense Draws Posted For Period (12/1/2019 - 05/31/2020)	(\$1,479,905.31)
Ending Balance of Trust Fund (05/31/2020)	<u>\$9,585,288.63</u>

**Department of Finance and Administration adjustments

Expense Breakdown - Senate Bill 151 - Trust Fund For NCI Designation
Reporting Period: 12/1/2019 - 05/31/2020

Program Account Description	Semiannual Report July 1, 2020				Notes
	Salary	Fringe	M&O	Total Expense	
Cancer Service Line Support	13,154.00	1,799.40	0.00	14,953.40	\$24K Total attachment for Jonathon Laryea, MD, Director Cancer Service Line for FY20 only.
Hauer-Jensen, MD, PhD (COP - Radiation Health)	3,596.06	1,016.34	0.00	4,612.40	Bridge funding for resubmission of COBRE grant
Robert Bodenner, MD, PhD (COM - Geriatric Endocrinology)	43,680.23	11,975.87	247.58	55,903.68	Partial salary for 2 Research Techs to complete the canine grant submission in final stage.
Gary Lewis, MD (COM - Radiation Oncology)	43,738.09	8,184.48	0.00	51,922.57	Recruitment package support
Ricky Leung, PhD (COM Pharmacology Toxicology)	73,200.00	29,700.85	10,787.71	113,688.56	Recruitment package support
Frank Zhan, MD, PhD (COM Internal Medicine - Medical Oncology)	41,687.17	9,963.25	37,715.24	89,365.66	Recruitment package support
Atiq, Omar, MD (COM Internal Medicine-Medical Oncology)	0.00	0.00	5,653.68	5,653.68	Support of head & neck clinical trial
Cancer Institute Administration	0.00	0.00	50,366.04	50,366.04	Ads - Doximity, and E-mail broadcast fee
Cancer Institute Basic Research	0.00	0.00	802.41	802.41	For WPRCI Research Retreat
Fujiwara, Ryoichi -MHJ Cobre (COP Pharmaceutical Science)	0.00	0.00	57,924.67	57,924.67	COBRE grant bridge funding
Stolarz, Amanda -MHJ Cobre (COP Pharmaceutical Science)	6,649.40	1,617.92	3,633.73	11,901.05	COBRE grant bridge funding
Frett, Brendan -MHJ Cobre (COP Coll of Pharm-Medicinal Chemistry)	0.00	0.00	2,989.47	2,989.47	COBRE grant bridge funding
Hsu, Ping-Ching -MHJ Cobre (CPH EOH)	16,965.71	4,566.70	0.00	21,532.41	COBRE grant bridge funding
Birrer, Michael, MD, (Cancer Institute)	8,675.93	2,640.05	71,157.36	82,473.34	Recruitment package support
Cancer Institute Genomics Core Support	0.00	0.00	318,421.69	318,421.69	Supplement to Core for expense in excess of operating revenue
Core Voucher Program	0.00	0.00	28,773.07	28,773.07	Cancer core use vouchers for CI members
Cancer Pilot Program	0.00	0.00	300,000.00	300,000.00	Support for 3 cancer pilot projects at \$100K each
Cancer Institute Tissue Bank Support	0.00	0.00	268,621.21	268,621.21	Replace end of life cancer research equipment
Total Expense	251,346.59	71,464.86	1,157,093.86	1,479,905.31	

Expense Detail Justification

All expenses posted to the Trust Fund for NCI Designation support the advancement of cancer research directly or through support of clinical initiatives that enable the conduct of clinical research.

- Dr. Jonathon Laryea provided leadership of the Cancer Service Line between transitioning Cancer Institute directors.
- Bridge funding of research is a valuable and essential resource for researchers, and it is common practice for a cancer center to provide it to support research through small gaps in funding due to grant award timelines. Peer-reviewed grant funds are often awarded 7-12 months following submission of a grant. Support of research during this waiting period for new funding is strategic and critical. Dr. Martin-Hauer Jensen's multi-million dollar COBRE grant has been resubmitted, but bridge funding was required to keep projects going until the grant could be reviewed and scored (expected any day). Bridge funding was required for Dr. Donald Bodenner to continue his research investigating canine detection of cancer.
- Research support was provided to Dr. Omar Atiq to conduct a head and neck cancer clinical trial entitled, "A Phase I/II Clinical Trial of PepCan in Head and Neck Cancer Patients in Remission to Reduce Recurrence Regardless of HPV Status". This trial is expanding on a peer-reviewed cancer clinical trial funded by NCI for another Cancer Institute researcher, Mayumi Nakagawa, MD, PhD.
- Funds were used to increase the profile of the clinical cancer program (Doximity ads and email broadcast) with the goal of increasing referrals and clinical trial participation.
- Funds were committed to support a cancer research retreat originally scheduled for fall 2020. Due to COVID-19, the annual retreat has been postponed until spring 2021.
- Multiple cancer researcher recruitment packages were supported through this mechanism (newly recruited faculty are shown in **Table 1**).
- Funds were used to support various needs of the Cancer Institute Genomics Shared Resource and the Tissue Bank. These Cancer Institute shared resources are infrastructure components required by NCI, and they are developed specifically to meet the stated needs of the cancer researchers at an institution.
- Core voucher and cancer pilot programs directly support cancer research projects.

Progress Toward Achieving NCI Designation December 1, 2019 – May 31, 2020

Detailed Progress:

1. **Initiation of large-scale cancer researcher recruitment:** In January and February, 2020, an omnibus ad seeking multiple cancer researchers was placed in four top scientific journals and their accompanying online sites (Journal of Clinical Oncology, New England Journal of Medicine, Science and Nature). The ad is attached in **Appendix A**. More than 100 applicants responded to the ads, and we are continuing to receive additional applications. An internal selection committee of Cancer Institute leaders and UAMS department chairs was convened to review the applicants' *curricula vitae* (CVs). Applicants whose CVs reflected the desired professional level of accomplishment and training and who appeared to be a good strategic fit for improving the Cancer Institute's research portfolio in alignment with NCI designation requirements were/are being invited to present their research and be interviewed via Zoom by the selection committee. Candidates who pass this initial Zoom interview are then scheduled for in person interviews. As this process is ongoing, more details will be provided in a subsequent report
2. **Strategic Recruitment of Cancer Researchers:** Cancer researchers recruited since December 1, 2019 are detailed in **Table 1**. Their CVs are provided in **Appendix B**. This group of recruits includes two promising junior faculty, an associate dean for research in the College of Public Health who works in the area of cancer survivorship and can facilitate public health cancer research and an extremely accomplished biostatistician who is positioned to take over leadership of the Cancer Institute Biostatistics Shared Resource when an upcoming retirement of current leadership occurs.
3. **Strategic Recruitment of Oncology Clinical Faculty and Staff:** Seventeen medical, radiation and surgical oncologists and hospitalists dedicated to oncology have been recruited since December 1, 2019. **Table 2** provides their details and is followed by brief biographies. Their CVs are provided in **Appendix C**. Recruitment of these physicians is essential to provide the comprehensive clinical care expected by NCI of a cancer center of our size. Many of these physicians will also be enrolling patients to clinical trials and will have the opportunity to initiate their own clinical research protocols.
4. **Cancer Research Grant Activity:** **Table 3** summarizes grant activity occurring December 1, 2019 – May 31, 2020. This annual reporting period is generally the slowest for grant award activity. Considering this and COVID-19, these data are better than expected, though slightly lower than what was presented in the previous semi-annual report.

Table 1. Cancer Research Recruitments December 1, 2019 - May 31, 2020

Candidate	Current/Previous Institution	Recruited Rank	Recruitment Status	Recruitment Home Department	Research Interest	Peer-Reviewed Cancer Research Funding at Time of Legislative Reporting	CI investment*
Ben Amick, PhD	Florida International University	Associate Dean for Research	Began January 15, 2020	College of Public Health	Labor market, work life balance, return to work, cancer survivorship	None	Postdoc salary for 3 years (\$61,875 incl fringe)
Katie Ryan, PhD	UAMS	Assistant Professor	Begins July 1, 2020	Biochemistry	Drug development, multiple myeloma, radiation host response in lung cancer	Co-I on pending DoD lung cancer grant	\$600,000
Jun Ying, PhD	University of Cincinnati	Professor; will succeed current Director of Cancer Institute Biostatistics Shared Resource	Begins July 1, 2020	Biostatistics	Biostatistics collaboration on a variety of grants including cancer	No cancer related grants, but co-I or statistician on 7 NIH grants	25% effort (\$62,000 per year)
Jesus Delgado-Calle, PhD	Indiana University School of Medicine	Assistant Professor	Begins July 1, 2020	Physiology and Biophysics	Osteocyte biology and pathophysiology, <i>ex vivo</i> and <i>in vitro</i> models to study osteocyte-tumor biology, tumor/bone marrow research	Co-I on industry grant on cancer therapies; co-I on Bellido NCI grant**; was an American Society of Hematology scholar 2016-2019; will be competitive for Pew-Stewart Scholar Award next year	\$200,000 over 2 years (\$75K in FY21 and \$125K in FY22) to support research lab set up

*Cancer Institute investment represents the total commitment made by the Winthrop P. Rockefeller Cancer Institute to support the cancer research candidate and generally represents a three to five year period. This support is to pay for operating expenses including lab equipment, personnel salary and fringe, supplies, services, and other relative cancer research costs.

**Teresito Bellido, PhD was included in the previous July 1 - November 30, 2019 report as a new recruit to chair the UAMS Department of Physiology and Biophysics. Upon accepting her position at UAMS, Dr. Bellido worked with the Cancer Institute to recruit Dr. Delgado-Calle to UAMS.

Table 2. Clinical Oncology Recruits				
Incoming	Anticipated Start Date	Clinic	Subspecialty	Previous Organization
Jibran Ahmed	7/1/2020	Medical Oncology	GI Oncology	Hematology/Oncology Fellowship at Westchester Medical Center, New York Medical College, NY
Sajjad Bhatti	7/1/2020	Medical Oncology	Lung Oncology	Hematology/Oncology Fellowship at University of Kansas Cancer Center, Westwood, KS
Abhijit Godbole	7/1/2020	Medical Oncology	Malignant Hematology	Hematology/Oncology Fellowship at UAMS, Little Rock, AR
Sravani Gundarlapalli	7/1/2020	Inpatient	Hospitalist (Myeloma)	Hospitalist at Fairview Park Hospital, Dublin, GA
Joyce Habib	7/1/2020	Medical Oncology	Breast Oncology	Medical Oncologist at Fouad Khoury Hospital, Makassed General Hospital, and Sacre Coeur Hospital, Beirut, Lebanon
Saira Hassan	9/1/2020	Medical Oncology	GI/GU Oncology	Shaukat Khanum Cancer Hospital, Lahore, Pakistan
Erika Horta	7/1/2020	Medical Oncology	Neuro Oncology	Neuro-Oncology Fellowship at Henry Ford Hospital, Detroit, MI
James Lopez	7/1/2020	Inpatient	Hospitalist (Hem Onc)	IM Residency at UAMS, Little Rock, AR
Christopher Jean-Louis	8/1/2020	Ladies Oncology	Breast Surgery Fellow	General Surgery Resident at Navicent Medical Center
Aasiya Matin	9/1/2020	Medical Oncology	Malignant Hematology	Advanced Bone Transplant Fellowship at Mayo Clinic, Rochester, MN
Yetunde Ogunsesan	7/1/2020	Inpatient	Hospitalist (Myeloma)	IM Residency at Rochester General Hospital, Rochester, NY
Geoff Osgood	8/1/2020	Ladies Oncology	Breast Surgery Fellow	General Surgery Resident at University of California, Riverside, CA
Yadav Pandey	7/1/2020	Inpatient	Hospitalist (Hem Onc)	IM Residency at UAMS, Little Rock, AR
Prasanth Sadaram	7/1/2020	Inpatient	Hospitalist (Hem Onc)	Geriatric Medicine Fellowship at UAMS, Little Rock, AR
Jumin Sunde	7/1/2020	Head & Neck Oncology	Head & Neck Oncologic Surgery	Assistant Professor at University of Mississippi Medical Center
Heather Williams	9/1/2020	Women's Oncology	Gynecology Oncology	Gynecology Oncology Fellowship at Medical College of Georgia, Augusta, GA
Lakshmi Yarlagadda	7/1/2020	Inpatient	Hospitalist (Myeloma)	Hospitalist and IM Faculty at Campbell University, Southeastern Regional Medical Center, Lumberton, NC

Jibran Ahmed, M.D.**Specialty: Gastrointestinal cancer**

Ahmed is a graduate of King Edward Medical University in Pakistan and completed his residency in internal medicine at John H. Stroger Hospital in Chicago. He recently completed a fellowship in hematology/oncology at Westchester Medical Center at New York Medical College.

Sajjad Bhatti, M.D.**Specialty: Lung cancer**

Bhatti earned his medical degree from the Aga Khan University Medical College in Pakistan. After completing his residency in internal medicine at the University of Kansas Medical Center, he was fellowship trained in hematology/oncology at the University of Kansas Cancer Center.

Abhijit Godbole, M.D., Ph.D.**Specialty: Stem cell transplant**

After serving as chief fellow in the UAMS Hematology/Oncology Fellowship Program, Godbole will join the University of Arkansas for Medical Sciences Stem Cell Transplantation and Cellular Therapy program. Godbole earned his medical degree from B.J. Medical School in Pune, India, and his doctoral degree in molecular medicine from the University of Maryland.

Sravani Gundarlapalli, M.D.**Specialty: Myeloma hospitalist**

Gundarlapalli earned her medical degree from Kurnool Medical School in India and served her residency in internal medicine at St. Joseph's Mercy Oakland Hospital in Pontiac, Michigan. She previously was a hospitalist at Fairview Park Hospital in Dublin, Georgia.

Joyce Habib, M.D.**Specialty: Breast cancer**

After earning her medical degree from the American University of Beirut, Lebanon, Habib completed a fellowship in medical oncology at Baylor Medical Center and a residency in internal medicine at Ohio State University. She previously served as the head of Healthbay Polyclinic Oncology Center in Dubai, UAE, and as an oncology consultant at the Dubai Novomed Clinic.

Saira Hassan, M.D.**Specialty: Gastrointestinal and genitourinary oncology**

Hassan earned her medical degree from King Edward Medical College, Lahore, Pakistan. She completed an internal medicine residency at the University of Texas at Houston and a clinical fellowship in hematology/oncology at Baylor College of Medicine in Houston. She has most recently served as a consulting hematology/oncologist in a private hospital setting.

Erika Horta, M.D.**Specialty: Neuro-oncology**

Horta earned her medical degree at the University of Sao Paulo in Brazil, where she also served a residency in neurology and completed a clinical fellowship in neuro-immunology. She completed a fellowship in research at the Neuro-immunology Laboratory at the Mayo Clinic in Rochester, Minnesota, and a clinical fellowship in neuro-oncology at Henry Ford Hospital in Detroit. Horta also served a residency in neurology at the University of Minnesota in Minneapolis.

James Lopez, M.D.**Specialty: Hematology/oncology hospitalist**

Lopez is a graduate of Louisiana State University Health Sciences Center in Shreveport, Louisiana. He completed a residency in internal medicine at the University of Arkansas for Medical Sciences in Little Rock, Arkansas.

Christopher Jean-Louis, D.O., M.P.H.**Specialty: Breast surgery fellow**

After receiving his medical degree and masters of public health from the University of North Texas Health Science Center in Fort Worth, Texas, Jean-Louis completed a general surgery residency at Navicent Medical Center in Macon, Georgia.

Aasiya Matin, M.D.**Specialty: Malignant hematology**

Matin most recently completed an advanced bone transplant fellowship at Mayo Clinic, Rochester, Minnesota and a hematology/oncology fellowship at the University of Arkansas for Medical Sciences in Little Rock, AR. Prior to these trainings, Matin was a fellow of radiation oncology at Jawaharlal Nehru Medical College in Aligarh, India and completed her internal medicine residency at Wayne State University, Detroit Medical Center, Detroit, Michigan. Matin additionally holds a clinical and translational science certificate in cancer cell biology from the University of Arkansas for Medical Sciences.

Yetunde Ogunesan, M.D.**Specialty: Myeloma hospitalist**

Ogunesan earned her medical degree from the University of Ilorin in Nigeria and completed her residency in internal medicine at Rochester General Hospital in New York.

Geoff Osgood, M.D.**Specialty: Breast surgery fellow**

After graduating with his medical degree from Wayne State University School of Medicine, Osgood completed a general surgery residency at University of California, Riverside / Riverside University Health System.

Yadav Pandey, M.D.**Specialty: Hematology/oncology hospitalist**

Pandey is a graduate of Katmandu Medical School in Nepal and served his residency in internal medicine at the University of Arkansas for Medical Sciences in Little Rock, Arkansas.

Prasanth Sadaram, M.D.**Specialty: Hematology/oncology hospitalist**

Sadaram graduated from Rangaraya Medical College in Kakinada, India. He completed a residency in internal medicine at Bronx Care Hospital Center in New York and is a graduate of the University of Arkansas for Medical Sciences Geriatrics Fellowship Program.

Jumin Sunde, M.D.**Specialty: Otolaryngology - head and neck surgery**

After earning his medical degree from the University of Alabama at Birmingham, Sunde served both his internship and residency at the University of Arkansas for Medical Sciences in Little Rock, Arkansas. He

was fellowship trained in head and neck oncologic and microvascular surgery at the University of Michigan. Prior to returning to the University of Arkansas for Medical Sciences, he served as an assistant professor at the University of Mississippi Medical Center.

Heather Williams, M.D.

Specialty: Gynecologic oncology

After completing her medical degree from the University of Arkansas for Medical Sciences in Little Rock, Arkansas, Williams trained as a Felix Rutledge Fellow at MD Anderson Cancer Center in Houston, Texas. Subsequently, she completed her internship and residency in obstetrics and gynecology at University of Iowa Hospitals and Clinics in Iowa City, Iowa and a fellowship in gynecologic oncology at Medical College of Georgia at August University in Augusta, Georgia.

Lakshmi Yarlagadda, M.D.

Specialty: Myeloma hospitalist

Yarlagadda previously served as a hospitalist at the Southeastern Region Medical Center in Lumberton, North Carolina, and as an internal medicine faculty member at Campbell University in Buies Creek, North Carolina. She is a graduate of NRI Medical School in Andhra Pradesh, India, and completed her residency in internal medicine at Howard University Hospital in Washington, D.C.

Table 3. Cancer Research Grant Activity				
	External Peer-Reviewed New Grants Awarded (#)	Awarded External Peer-Reviewed New Grant Funding (Annual Project Period Direct Costs)	External Peer-Reviewed New Grants Submitted (#)	Proposed Peer-Reviewed Grant Funding Submitted (Total Costs for All Years)
December 1, 2019 – May 31, 2020	7	\$1,479,932	85	\$100,184,104

APPENDIX A

*Omnibus ad for
multiple cancer
researchers*

Join the Winthrop P. Rockefeller team and help us fight the battle against cancer

The Winthrop P. Rockefeller Cancer Institute is leading the recruitment of multiple investigators (up to 25) for a major strategic increase in its portfolio across basic, translational, population science and clinical research efforts. Recruitment is for tenured, tenure-track, and non-tenure-earning faculty at all ranks and includes academic appointment in one or more academic departments across the University. All applications will be considered, but priority will be given to those applicants with research focused in the following areas: cancer cell biology, population science, tumor immunology and inflammation, cancer cell metabolism, epigenetics, oncolytic viruses, cancer outcomes and survivorship, role of the microbiome in cancer, cancer imaging, chemoprevention and informatics. Likewise, we are interested in research involving the following organ systems: ovary, breast, lung, and hematologic malignancies including multiple myeloma. This large-scale recruiting effort is made possible through significant institutional support and a \$10M annual commitment from the state of Arkansas to support the Cancer Institute's efforts to attain NCI Designation.

Successful applicants will join one of the most prestigious cancer centers in the country. The Winthrop P. Rockefeller Cancer Institute has been one of the nation's premier cancer centers for more than three decades, and it is the only cancer center in the state of Arkansas with a robust cancer research portfolio and a mission to improve cancer outcomes for all Arkansans. The Cancer Institute treats over 2,500 new cancer patients annually and has an extensive effort focused on delivering cancer care and conducting research in underserved populations. Its 135 members conduct outstanding cancer research in multiple scientific programs. Cancer Institute members receive approximately \$10 million in extramural cancer research funds annually, including multiple "team science" grants. The Cancer Institute has 5 institutional shared resource facilities. A robust clinical trial infrastructure currently supports nearly 270 cancer clinical trials. The University of Arkansas for Medical Sciences is one of 57 institutions with an NIH Clinical and Translational Science Award, which supports translational research and creates a supportive environment that synergizes with the Cancer Institute to promote junior investigators and transdisciplinary research.

Applicants should send their Curriculum Vitae, a one page letter of interest, and 3 professional references directly to Cancer Institute director, Michael J. Birrer, MD, PhD at mjbirrer@uams.edu. Application deadline is June 1, 2020. Review of applications will continue until all positions are filled. Applicants must have an MD, PhD, MD/PhD or equivalent. Selected applicants will join a diverse and vibrant academic community that values its researchers and is committed to diversity, equity and inclusion. Applicants must be able to work in a team environment.

UAMS is an inclusive Affirmative Action and Equal Opportunity Employer of individuals with disabilities and protected veterans and is committed to excellence.

APPENDIX B

*Curricula vitae of
cancer research recruits*

Curriculum Vitae

BENJAMIN CLEVELAND AMICK III

Fay W Boozman College of Public Health
University of Arkansas Medical System
4310 West Markham, #820
Little Rock, AR 72205-7199

CURRENT POSITIONS

Associate Dean for Research and Tenured Professor, Fay W Boozman College of Public Health, University of Arkansas Medical System, Little Rock, Arkansas, 2020

EDUCATION

Post-Doctoral Fellow, Division of Chronic Disease Epidemiology, Department of Epidemiology and Public Health, Yale School of Medicine, New Haven, CT, 1990-1992

Ph.D. Department of Behavioral Sciences and Health Education, The Johns Hopkins University, School of Hygiene and Public Health, Baltimore, MD, 1981-1986

B.S. Department of Chemistry, University of Maryland, College Park, MD, 1973-1978

B.A. Department of Anthropology, University of Maryland, College Park, MD, 1973-1978

MAJOR PROFESSIONAL INTERESTS

- Innovation
- Organizational change and program evaluation
- Labor markets and worksite intervention research
- Life course epidemiology
- Health systems and population health integration research
- Outcomes assessment and the measurement of work disability and productivity
- Social inequalities, health disparities and social change
- Evidence synthesis and knowledge translation
- Health services and cancer
- Health services and musculoskeletal disorders
- Digital health

FORMER EMPLOYMENT & ACADEMIC POSITIONS

Chair and Tenured Professor, Department of Health Policy and Management, Robert Stempel College of Public Health & Social Work, Florida International University, 2013-2019

Senior Scientist, The Institute for Work & Health, Toronto, Canada, 2007-2018

Adjunct Professor, University of Texas School of Public Health, Houston, Texas, 2013-2018

Interim Director/Director of Public Health, Robert Stempel College of Public Health & Social Work, Florida International University, Miami, FL, 2014-2016

Associate Scientific Director, Institute for Work & Health, Toronto, Canada, 2011-2013

Tenured Professor of Behavioral Sciences and Epidemiology, School of Public Health, The University of Texas Health Science Center, Houston, TX, 2007-2013

Director, Occupational Injury Prevention Research Doctoral Training Program, Southwest Center for Occupational and Environmental Health (SWCOEH), The University of Texas Health Science Center, Houston, TX, 2001-2013

Director, Occupational Epidemiology Doctoral Training Program, Southwest Center for Occupational and Environmental Health (SWCOEH), The University of Texas Health Science Center, Houston, TX, 2006-2009

Scientific Director, Institute for Work & Health, Toronto, Canada, 2007-2011

Adjunct Professor, Department of Behavioral Sciences, Division of Cancer Prevention, M.D. Anderson Cancer Center, Houston, TX, 2000-2009

Adjunct Professor, John D. McGovern Center for Health Humanities and the Human Spirit, University of Texas Medical School, 2006-2009

Scientist, Institute for Work & Health, Toronto, Canada, 2002-2007

Tenured Associate Professor of Behavioral Science and Epidemiology, School of Public Health, The University of Texas Health Science Center at Houston, Houston, TX, 2004-2006

Associate Director, Texas Program for Society and Health, Rice University, September 1999-2005

Associate Professor of Behavioral Science and Epidemiology, School of Public Health, The University of Texas Health Science Center at Houston, Houston, TX, 1999-2003

Visiting Professor, Department of Public Health, School of Medicine, St. George University, Grenada, West Indies, October 2001

Assistant Professor, Department of Family Medicine and Community Health, Tufts University School of Medicine, Boston, MA, January 1995–August 2000

Research Scientist/Senior Scientist, The Health Institute, New England Medical Center, Boston, MA, February 1992–August 1999

Lecturer, Department of Health and Social Behavior, Harvard School of Public Health, February 1992-August 1999

Supervisor, Post-Doctoral Fellows Program, The Joint Program in Society and Health, New England Medical Center and Harvard School of Public Health, February 1992-September 1995

Director, Health Services Administration, Division of Health Services, Department of Corrections, State of Connecticut, Hartford, CT, July 1989-June 1990

Coordinator, Research for Management Practice, The Hay Group, Hay Management Consultants, Washington, D.C., November 1988-June 1989

Private Consultant in Organizational Change and Ergonomics, Madison, WI, May 1987-October 1988

Policy Analyst, Communication and Information Technologies Program, Office of Technology Assessment, Congress of the United States, Washington, D.C., June 1984-May 1987

Research Scientist, Applied Psychology and Ergonomics Branch, Division of Behavioral and Biomedical Sciences, National Institute for Occupational Safety and Health, Cincinnati, OH, June 1982-November 1983

PROFESSIONAL COMMITTEE MEMBERSHIPS

- CEPH Accreditation Review Team Member, Oregon State University (2019)
- Program Review Team Member, Rocky Mountain Center for Occupational and Environmental Health (2018)
- ICOH PREMUS – President (2016-2017)
- ICOH PREMUS – Conference Scientific Chair (2014-2016)
- Member, Alberta Jobs, Skills, Training and Labour Task Force for Building Leading Indicators (2014-2015)
- Member Alice Hamilton Award for Research Excellence, NIOSH (2008, 2009, 2010, 2012, 2013)
- Chair, NIOSH Director Award for Extraordinary Intramural Science (2009, 2010)
- Member, Steering Committee, Centre of Research Expertise in Improved Disability Outcomes (CREIDO), Ontario Canada (2007-2010)
- Chair, Data Safety Monitoring Committee, Veterans Administration Project BREATH (CSP#560) (2007-2009)
- UTSPH Representative, Behavioral and Social Sciences Advisory Council, Association of Schools of Public Health (2002-2006)

- Co-Director, National Occupational Research Agenda (NORA) Health Services Research Committee, National Institute for Occupational Safety and Health (2002-2006)
- Member, Injuries in America Ad Hoc Committee, Association of Schools of Public Health (2002)
- Member, Educational Competencies Ad Hoc Committee, Association of Schools of Public Health (penned population perspective competencies) (1999-2004)
- Member, National Occupational Research Agenda (NORA) Social and Economic Burden of Occupational Illness and Injury Committee, National Institute for Occupational Safety and Health (1997-2006)
- Member, Steering Committee for the 5th, 6th, 7th, & 8th Annual APA/NIOSH Conference on Work Stress (2001-2012)
- Member, Special Ad Hoc Advisory Committee for the Office of Special Populations, National Cancer Institute (1999-2000)

CURRENT PROFESSIONAL ORGANIZATION MEMBERSHIPS

- Member, American Public Health Association (since 1981)
- Member, Academy of Health Services Research (since 1999)

ADVISORY BOARDS

- Member, West Kendall Baptist Healthy West Kendall (2015-present)
- Member, Nicklaus Children's Hospital Scientific Advisory Board (2016-2018)
- Member, Advisory Board, Center for Workplace Health, Harvard School of Public Health (2009-2016)
- Member, Scientific Advisory Committee on Occupational Disease (SACOD), Workplace Safety and Insurance Board (WSIB), Ontario, Canada (2008-2013)
- Member, Board of Scientific Counselors, National Institute for Occupational Safety and Health, Centers for Disease Control (2007-2012)
- Member, Scientific Advisory Board, National Nurses Work and Health Survey, Canadian Institute for Health Informatics (2003-2007)
- American Pain Foundation, National Scientific Advisory Committee (2001-2006)
- Chair and Member, Center for the Study of Cultural Diversity in Healthcare, University of Wisconsin Medical School (February 2002-2005)
- Member, State of Massachusetts, Occupational Health Program Advisory Board (1997-99)
- Member, Ergonomics Research Center, University of Connecticut (1996-99)

GRANT REVIEW PANELS

- Member, Construction Workers Health and Safety Center Special Emphasis Panel, CDC/NIOSH (2014)
- Ad-Hoc Reviewer, NIOSH Total Worker Health Center Panel (2012)
- Ad-Hoc Reviewer, Marsden Foundation, New Zealand (2010)

- Member, International Research Scientist Development Award Review Panel (2006), Fogarty/NIH
- Member, Center for Workforce Excellence Special Review Panel (2005), CDC/NIOSH
- Temporary Member, Occupational Safety and Health Scientific Review Committee, National Institute of Health (NIH) (2002-2003)
- Ad-Hoc Reviewer, Institut de Recherche en Sante en Securitie du Travail, Quebec, Canada (2002-present)
- Ad-Hoc Reviewer, Workers' Compensation Board, British Columbia, Canada (2001-present)
- Ad-Hoc Reviewer, Workers' Compensation Research Advisory Committee, Ontario, Canada (2001-2007)
- Ad-Hoc Reviewer, Workers' Compensation Board, Saskatchewan, Canada (2007-present)
- Chair/Member, Public Health Law and the Public's Health Special Review Panel, Centers for Disease Control (2000-2003)
- Member, Intervention Studies Special Review Panel, National Institute for Occupational Safety and Health (1997-1999)
- Ad-Hoc Reviewer, NIA, Charles Pepper Research Centers, (1997-1998)
- Ad-Hoc Reviewer, Behavior and Mental Health Scientific Review Committee for National Institute of Mental Health (1997-1998)

MANUSCRIPT REVIEWER (Since 1986)

American Journal of Epidemiology, American Journal of Industrial Medicine, American Journal of Public Health, Applied Ergonomics, Arthritis & Arthritis Care, Behavior and Information Technology, Ergonomics and Human Factors, Health Affairs, Health Systems Research, Journal of Clinical Epidemiology, Journal of Epidemiology and Community Health, Journal of Health and Social Behavior, Journal of Occupational Health Psychology, Journal of Occupational and Environmental Medicine, Lancet, Medical Care, Milbank Quarterly, Occupational & Environmental Medicine, Office: Technology and People, Public Health Reports, Psychosomatic Medicine, Social Science and Medicine, Spine, Scandinavian Journal of Work, Environment & Health.

EDITORIAL BOARD

Journal of Occupational Rehabilitation (2010-2018)

Associate Editor, Journal of Occupational Rehabilitation (2017-2018)

INSTITUTIONAL ACTIVITY

The Health Institute, New England Medical Center

- Director, Scientific Plenary Seminars (1992-1999)

Harvard University

- Member, Harvard University, Mind, Brain, Behavior Interdisciplinary Initiative (1996-2000)
- Penned Joint Program in Society and Health Strategic Plan 1992-1998 (with Dr. Sol Levine and Dr. Diana Chapman Walsh)

University of Texas Health Science Center – Houston

- Member, Injury Prevention and Control Strategic Initiative, Division of Environmental and Occupational Health (2006-2008)
- Chair/member, Health Disparities Concentration/Certificate Development Program (2004-2007)
- Chair, School of Public Health Faculty Affairs Committee (2001-2004)
- Member, School of Public Health Faculty Policy Committee (2001-2004)
- Member, School of Public Health Faculty Development Leave Committee (2001-2004)
- Member, Multicultural Affairs Committee (2001-2006)
- Member, Core Committee for the Advancement of Minorities and Women (2000-2006)
- Convener, School of Public Health Behavioral Sciences Discipline (2001-2004)
- Member, Research Council, School of Public Health (2009)
- Advisory Board Member, Center for Health, Humanities and the Human Spirit (2004-2011)
- Member, School of Public Health Ad-Hoc Committee for the Development of New Doctoral Exam Procedures (2009)
- Member, School of Public Health Faculty Council (2008-2011)
- Faculty Chair (Incoming, Current and Past), School of Public Health Faculty (2008-2011)
- Member, University of Texas Health Science Center Tenure and Promotion Committee (2008-2011)
- Member, School of Public Health Executive Committee (2009-2010)
- Co-Chair, Social Epidemiology Ph.D. Development Committee (2009-2010)
- Member, Associate Dean for Academic Affairs, Associate Professor of Organizational Behavior, Comparative Effectiveness Search Committees (2000-present)
- Faculty Mentoring Committee Lead/Member for numerous faculty in the school (2000-present)
- Co-Chair, School of Public Health 2012 CEPH Accreditation Committee (2009-2012)

Florida International University

- Chair, Stempel College Tenure and Promotion Committee (2018-present)
- Member, Stempel College Tenure and Promotion Committee (2013-2017)
- Member, Epidemiology Faculty Search Committee (2013-2014)
- Member, University Graduate School Task Force on Policies, Practices, Procedures and Forms (2014-2015)

PUBLICATIONS

Journal Articles (Peer-Reviewed – students marked with *)

1. Gerasimaviciute Vaiva*, Bultmann Ute, Diamond Pamela M, Tullar Jessica M, Delclos George L, Gimeno Ruiz de Porras David, **Amick III Benjamin C**. Reciprocal Associations Between Depression, Anxiety and Work-Related Injury. Injury Prevention 2019 epub).
2. Bültmann Ute, Arends Iris, Veldman Karin, McLeod Christopher, van Zon Sander, **Amick III Benjamin C**. Investigating Young Adults' Mental Health and Early Working Life Trajectories from a Life Course Perspective: The Role of Transitions. Journal of Epidemiology and Community Health, 2020; 74(2): 179-181. DOI: 10.1136/jech-2019-213245.
3. Arends Iris, Almansa Josue, Stansfeld Stephen A, **Amick III Benjamin C**, van der Klink Jac JL, Bültmann Ute. One-year Trajectories of Mental Health and Work Outcomes Post Return to Work in Patients with Common Mental Disorders. Journal of Affective Disorders, 2019; 257(1): 263-270,
4. Tullar Jessica M, Walker Timothy*, Page Timothy F, Taylor Wendell, Roman Rolando, **Amick III Benjamin C**. Evaluation of a Worksite-Based Small Group Team Challenge to Increase Physical Activity. American Journal of Health Promotion, 2019; 33(2): 259-266.
5. Macpherson Robert A, Koehoorn Mieke, Fan Jonathan, Quirke William, **Amick III Benjamin C**, Kraut Allen, Mustard Cameron A, McLeod Christopher B. Do Differences in Work Disability Duration Between Men and Women Vary by Province In Canada? Journal of Occupational Rehabilitation, September 2019; 29 (3): 560–568.
6. Yanar Basak, VanEerd Dwayne, Lambrak Irene, Severin Colette, D'Elia Teresa, **Amick III Benjamin C**. How Are Leaders Using Benchmarking Information in Occupational Health and Safety Decision-Making? Safety Science, 2019; 116: 245-253. doi:10.1016/j.ssci.2019.03.016.
7. Arends Iris, Almansa Josue, Stansfeld Stephen A, **Amick III Benjamin C**, van der Klink Jacques JL, Bültmann Ute. One-year Trajectories of Mental Health and Work Outcomes Post Return to Work in Patients with Common Mental Disorders. Journal of Affective Disorders, 2019, 257: 263-270.
8. Abma Femke, Bjorner Jakob B., **Amick III Benjamin C**, Bültmann Ute. Two Valid and Reliable Work Role Functioning Questionnaire Short Versions Were Developed: WRFQ 5 and WRFQ 10. Journal of Clinical Epidemiology, 2019, 105: 101-111.
9. Fan Jonathan K, **Amick III Benjamin C**, Richardson Lindsey, Scott-Marshall Heather, McLeod Christopher B. Labor Market and Health Trajectories During Periods Of Economic Recession And Expansion In The United States, 1988-2011. Scandinavian Journal of Work, Environment & Health, 2018; 44(6): 639–646. Doi:10.5271/sjweh.3743
10. Dorland-Pel Heleen F*, Abma Femke, Roelen Corné, Stewart Roy, **Amick III Benjamin C**, Ranchor Adelita, Bültmann Ute. Work-Specific Cognitive Symptoms and the Role of Work Characteristics, Fatigue, and Depressive Symptoms in Cancer Patients during 18 Months Post Return to Work. Psycho-Oncology, 2018; 27(9): 2229–2236. <https://doi.org/10.1002/pon.4800>
11. Biswas A viroop, Severin Colette, Smith Peter, Steenstra Ivan, Robson Lynda, **Amick III Benjamin C**. Larger Workplaces, People-Oriented Culture, and Specific Industry Sectors

- Associated with Co-Occurring Health Protection and Wellness Activities. International Journal of Environmental Research and Public Health, 2018; 15(12): 2739-2752. doi:10.3390/ijerph15122739.
12. Abma Femke, Bultmann Ute, **Amick III Benjamin C**, Arends Iris, Dorland Heleen F, Flach Peter, van der Klink Jac J.L., vande Ven Hardy, Bjorner Jakob Bue. The Work Role Functioning Questionnaire v2.0 Showed Consistent Factor Structure Across Six Working Samples. Journal of Occupational Rehabilitation, 2018; 28(3): 465–474. <https://doi.org/10.1007/s10926-017-9722-1>
 13. Jolhansen Thomas, Lund Thomas, Jensen Chris, Momsen Anne-Mette Hedeager, Eftedal M, Oyeflaten Irene, Braathen Tore, Stapelfeldt Christina, **Amick III Benjamin C**, Labriolola Merete. Cross-cultural Adaptation of the Work Role Functioning Questionnaire 2.0 to Norwegian and Danish. Work: A Journal of Prevention, Assessment and Rehabilitation, 2018; 59: 471-478. Doi: 10.3233/WOR-182705.
 14. Van Eerd Dwayne, Ferron Era M, D'Elia Teresa, Morgan Derek, Ziesmann Francis, **Amick III Benjamin C**. Process Evaluation of a Participatory Organizational Change Program to Reduce Musculoskeletal and Slip, Trip and Fall Injuries. Applied Ergonomics, 2018; 68: 42-53. Doi:10.1016/j.apergo.2017.10.015.
 15. Dorland-Pel Heleen F*, Abma Femke, Roelen Corn , Stewart, Roy, **Amick III Benjamin C**, Ranchor Adelita, B ltmann Ute. Fatigue and Depressive Symptoms Improve but Remain Negatively Related to Work Functioning over 18 Months after Return to Work in Cancer Patients. Journal of Cancer Survivorship, 2018; 12: 371–378
 16. Cullen Kim L, Irvin Emma, Collie Alex, Clay Fiona, Gensby Ulrik, Jennings PA, Hogg-Johnson Sheilah, Kristman Vicki, Laberge Marie, McKenzie D, Newnam S, Palagyi Andrew, Ruseckaite R, Sheppard DM, Shourie S, Steenstra Ivan, Van Eerd Dwayne, **Amick III Benjamin C**. Effectiveness of Workplace Interventions in Return-for-Work for Musculoskeletal, Pain-Related and Mental Health Conditions: An Update of the Evidence and Messages for Practitioners. Journal of Occupational Rehabilitation, 2018; 28(10): 1-15.
 17. Walker Timothy James*, Tullar Jessica M, Diamond Pamela M, Kohl III Harold W, **Amick III Benjamin C**. Validity and Reliability of the 8-Item Work Limitations Questionnaire. Journal of Occupational Rehabilitation, Dec 2017; 27(4): 576-583.
 18. **Amick III Benjamin C**, Lee Hyunmi, Katz Jeffrey N, Hoog-Johnson Sheilah, Franche Renee-Louise, B ltmann Ute. How Do Organizational Policies and Practices Affect Return to Work and Work Role Functioning Following a Musculoskeletal Injury? Journal of Occupational Rehabilitation, 2017; 27: 393-404.
 19. Dorland-Pel Heleen F*, Abma Femke, Roelen Corn , Stewart, Roy, **Amick III Benjamin C**, Ranchor Adelita, B ltmann Ute. Work Functioning Trajectories in Cancer Patients: Results from the Longitudinal Work-Life after Cancer (WOLICA) Study. International Journal of Cancer, 2017; 141: 1751-1762
 20. Page Timothy F, Williams Mark L, Cassella Graziana, Adler Jessica A, **Amick III Benjamin C**. The Impact of Zika on Local Businesses. Disaster Prevention and Management, 2017; 26(4): 452-457.
 21. Robson Lynda S, Ibrahim Selahadin, Hogg-Johnson Sheilah, Steenstra Ivan, Van Eerd Dwayne, **Amick III Benjamin C**. Developing Leading Indicators from OHS Management Audit Data: Determining the Measurement Properties of Audit Data from the Field. Journal of Safety Research, 2017; 61: 93-103.

22. Walker Timothy J*, Tullar Jessica M, Diamond Pamela M, Kohl III Harold W, **Amick III Benjamin C.** The Longitudinal Relationship Between Self-Reported Physical Activity and Presenteeism. Preventive Medicine, 2017; 102: 120-126. Doi: 10.1016/j.ypmed.2017.07.003
23. Walker Timothy J.*, Tullar Jessica M, Diamond, Pamela M, Kohl III Harold W, **Amick III Benjamin C.** The Association of Self-Reported Aerobic Physical Activity, Muscle Strengthening Physical Activity, and Stretching Behavior with Presenteeism. Journal of Occupational and Environmental Medicine, 2017; 59(5): 474-479. Doi: 10.1097/JOM.0000000000000978.
20. Nehme Eileen K*, Pérez Adriana, Ranjit Nalini, **Amick III Benjamin C**, Kohl III Herbert W. The Effect of New Shower Facilities on Physical Activity Behaviors of Employees: A Quasi-experiment. Journal of Physical Activity & Health, 2017; 14(2): 98-107. Doi: 10.1123/jpah.2015-0418.
21. Ammendolia Carlo*, Cote, Pierre, Cancelliere Carol, Cassidy J. David, Hartvigsen Jan, Boyle Eleanor, Soklaridis Sophie, Stern Paula, **Amick III Benjamin C.** Healthy and Productive Workers: Using Intervention Mapping to Design a Workplace Health Promotion and Wellness Program to Improve Presenteeism. BMC Public Health, 2016; 16(1): 1190-1208.
22. Nehme Eileen K*, Pérez Adriana, Ranjit Nalini, **Amick III Benjamin C.** Kohl III Harold W. Applying Diffusion of Innovations Theory to Transportation Cycling Research. Journal of Transport & Health, 2016; 3: 346–356.
23. Rusk Andria*, Highfield Linda, Wilkerson J. Michael, Harrell Melissa, Obala Andrew, **Amick III Benjamin C.** Geographically Weighted Regression of Knowledge and Behavior Determinants to Antimalarial Recommending and Dispensing Practice among Medicine Retailers in Western Kenya: Capacitating Targeted Interventions. Malaria Journal, 2016; 15(1): 562-576.
24. Robson Lynda, **Amick III Benjamin C**, Pagell Mark, Shannon Harry, Swift Michael, Moser Cindy, Hogg-Johnson Sheilah, Mansfield Elizabeth. Searching for breakthrough change in occupational health and safety performance: demonstration of a mixed-method approach to finding cases. Safety Science, 2016; 86: 211-227.
25. Dorland-Pel Heleen F, Abma Femke, Roelen Corné, Smink Ans, Feuerstein Michael, **Amick III Benjamin C**, Ranchor Adelita, Bültmann Ute. The Cognitive Symptom Checklist-Work in Cancer Patients is Related with Work Functioning, Fatigue and Depressive Symptoms; A Validation Study. Journal of Cancer Survivorship, 2016; 10(3): 545-52. Doi: 10.1007/s11764-015-0500-9.
26. De Achaval Sophia, Kallen M, **Amick III Benjamin C**, Landon G, Siff S, Edelstein D, Zhang H, Suarez-Almazor E. Patient's Expectations about Total Knee Arthroplasty Outcomes. Health Expectations, 2016; (2): 299-308. Doi: 10.1111/hex.12350
27. Van Eerd Dwayne, King Trevor, Keown Kiera, Slack Teresa, Cole Donal C, Irvin Emma, **Amick III Benjamin C**, Bigelow Phil. Dissemination and Use of Participatory Ergonomics Guide for Workplaces. Ergonomics, 2016; 59(6): 851-8. Doi: 10.1080/00140139.2015.1088073.
28. Whitt-Williams, Kelly, Bultmann Ute, **Amick III Benjamin C.**, Munir Fehmidah, Tveito Torill H, Anema Johannes R. Workplace Interventions to Prevent Disability from Both the Scientific and Practice Perspectives: A Comparison of Scientific Literature, Grey Literature and Stakeholder Observations. Journal of Occupational Rehabilitation, 2016; 26(4): 417-433. Doi: 10.1007/s10926-016-9664-z.

29. **Amick III Benjamin C**, McLeod, Christopher, Bültmann, Ute. Labor Markets and Health: An Integrated Life Course Perspective. Scandinavian Journal of Work Environment and Health, 2016; 42(4): 345–352. Doi:10.5271/sjweh.3567.
30. Gardner, Bethany. T., Dale Ann Marie, Buckner-Petty, S., Van Dillen, L., **Amick III Benjamin C.**, Evanoff Bradley. Comparison of Employer Productivity Metrics to Lost Productivity Estimated by Commonly Used Questionnaires. Journal of Occupational and Environmental Medicine, 2016; 58(2): 170-177.
31. Tompa Emile, Robson Lynda, Sarnocinska-Hart Anna, Klassen Richard, Shevchenko, A., Sharma, S., Hogg-Johnson, Sheilah, **Amick III Benjamin C**, Johnston, David, Veltri Anthony, Pagell Mark. Managing Safety and Operations: The Effect of Joint Management System Practices on Safety and Operational Outcomes. Journal of Occupational and Environmental Medicine, 2016; 58(3): e80-e89.
32. Nehme Eileen K, Perez Andrea, Ranjit Nalini, **Amick III Benjamin C**, Kohl III H William. Sociodemographic Factors, Population Density, and Bicycling for Transportation in the U.S. Journal of Physical Activity and Health, 2016; 13: 36 -43. <http://dx.Doi.org/10.1123/jpah.2014-0469>
33. -Rusk Andria*, Highfield Linda, Wilkerson Michael, Harrell Melissa, Obala Andrew, **Amick III Benjamin C**. Spatial Distribution and Cluster Analysis of Retail Drug Shop Characteristics and Antimalarial Behaviors As Reported By Private Medicine Retailers In Western Kenya: Informing Future Interventions. International Journal of Health Geographics, 2016; 15(9): 1-12.
34. Robson Lynda S, **Amick III Benjamin C**, Moser Cindy, Pagell Mark, Mansfield Elizabeth, Shannon Harry S, South Harriet. Important Factors in Common Among Organizations Making Large Improvement In OHS Performance: Results Of An Exploratory Multiple Case Study. Safety Science, 2016; 86: 211-227.
35. Walker Timothy J.*, Tullar Jessica M, Taylor W, Roman, Rolando, **Amick III Benjamin C**. How Do Stages of Change for Physical Activity Relate to Employee Sign-Up for and Completion of a Worksite Physical Activity Competition? Health Promotion Practice, 2016; 18(1): 93-101. 1524839916659846.
36. Steenstra, Ivan A, Busse Jason W, Tulusso David Davilmar Arold, Lee Hyunmi, Furlan Andrea D, **Amick III Benjamin C**, Hogg-Johnson Sheilah. Predicting Time on Prolonged Benefits for Injured Workers with Acute Back Pain. Journal of Occupational Rehabilitation, 2015; 25: 267–278. DOI 10.1007/s10926-014-9534-5.
37. **Amick III Benjamin C**, Hogg-Johnson Sheilah, Latour-Villamil, Saunders Ron. Protecting Construction Worker Health and Safety in Ontario, Canada: Identifying a Union Safety Effect. Journal of Occupational and Environmental Medicine, 2015 57(12):1337-42. Doi: 10.1097/JOM.0000000000000562
38. VanEerd, Dwayne, Munhall Claire, Irvin Emma, Rempel David, Brewer Shelley, Van der Beck Allard J, Dennerlin Jack T, Tullar Jessica M, Skivington Katherine, Pinion Clint, **Amick III Benjamin C**. Effectiveness of Workplace Interventions in the Prevention of Upper Extremity Musculoskeletal Disorders and Symptoms: An Update of the Evidence. Occupational and Environmental Medicine, 2016; 73(1): 62-70. Doi:10.1136/oemed-2015-102992.
39. Steenstra Ivan A, Franche Renee-Louise, Furlan Andrea D, **Amick III Benjamin C**, Hogg-Johnson Sheilah. The Added Value of Collecting Information on Pain Experience When Predicting Time on Benefits for Injured Workers with Back Pain. Journal of Occupational Rehabilitation, 2016; 26(2): 117-124; <http://dx.Doi.org/10.1007/s10926->

- [015-9592-3](#)
40. Berolo Sophia, Steenstra Ivan, **Amick III Benjamin C**, Wells Richard P. A Comparison of Two Methods to Assess the Usage of Mobile Hand-held Communication Devices. Journal of Occupational and Environmental Hygiene, 2015; 12(4): 276-285. <http://dx.Doi.org/10.1080/15459624.2014.973111>
 41. Brouwer Sandra, **Amick III Benjamin C**, Lee Hyunmi, Franche Renee-Louise, Hogg-Johnson Sheilah. The Predictive Validity of the Return-to-Work Self-Efficacy Scale for Return-to-Work Outcomes in Claimants with Musculoskeletal Disorders. Journal of Occupational Rehabilitation, 2015; 25(4): 725-32. Doi: 10.1007/s10926-015-9580-7.
 42. Steenstra, I, Lee Hyunmi, Furlan Andrea D, **Amick III Benjamin C**, Hogg-Johnson Sheilah. Predicting Time on Prolonged Benefits for Injured Workers with Acute Back Pain. Journal of Occupational Rehabilitation, 2015; 25(2): 267-278. <http://dx.Doi.org/10.1007/s10926-014-9534-5>
 43. Tang Ken, Beaton Dorcas E, Hogg-Johnson Sheilah, Cote Pierre, Loisel Patrick, **Amick III Benjamin C**. Does the Upper-Limb Work Instability Scale Predict Transitions Out of Work Among Injured Workers? Archives of Physical Medicine and Rehabilitation. 2015; 96(6): 1658-1665. [http://dx.Doi.org/S0003-9993\(15\)00398-6;10.1016/j.apmr.2015.04.022](http://dx.Doi.org/S0003-9993(15)00398-6;10.1016/j.apmr.2015.04.022)
 44. Tullar Jessica M, **Amick III Benjamin C**, Brewer Shelley R, Diamond Pamela M, Kelder Steven H, Mikhail Osama. Improve Employee Engagement to Retain Your Workforce. Health Care Management Review, 2015; 41(4): 316-342.
 45. Boot Cecile, Hogg-Johnson Sheilah, Bültmann Ute, **Amick III Benjamin C**, van der Beek Allard J. Differences in Predictors for Return to Work Following Musculoskeletal Injury Between Workers With and Without Comorbidities. International Archives of Occupational and Environmental Health, 2014; 87(8): 871-879. Doi: 10.1007/s00420-014-0928-7.
 46. Ramada Rodilla Jose M*, Delclos Clanchet George L, **Amick III Benjamin C**, Abma Femke I, Pidemunt Moli Gemma, Castaño Asins Juan R, Bültmann Ute, Serra Pujadas Consol. Responsiveness of the Work Role Functioning Questionnaire (Spanish Version) in a General Working Population. Journal of Occupational and Environmental Medicine, 2014; 56(2): 189-94. Doi: 10.1097/JOM.0000000000000074. PMID: 24451615.
 47. Ramada Rodilla Jose M*, Serra Pujadas Consol, **Amick III Benjamin C**, Abma Femke I, Castaño Asins Juan R, Pidemunt Moli Gemma, Bültmann Ute, Delclos Clanchet George L. Reliability and Validity of the Work Role Functioning Questionnaire (Spanish Version). Journal of Occupational Rehabilitation, 2014; 24(4): 640-649. <http://dx.Doi.org/10.1007/s10926-013-9495-0> PMID: 24389721.
 48. Gensby Ulrich*, Labriola Merete, Irvin Emma, **Amick III Benjamin C**, Lund Thomas. A Classification of Components of Workplace Disability Management Programs – Results From a Systematic Review. Journal of Occupational Rehabilitation, 2014; 24(2): 220-41. Doi:10.1007/s10926-013-9437-x. PMID: 23666474
 49. Abma Femke I*, **Amick III Benjamin C**, van der Klink Jac JL, Bültmann Ute. Prognostic Factors for Successful Work Functioning in the General Working Population. Journal of Occupational Rehabilitation, 2013; 23(2): 162-169. Doi: 10.1007/s10926-012-9410-0. PMID: 23247639
 50. Mustard Cameron, Bielecky Amber, Etches Jacob, Wilkins Russell, Tjepkema Michael, **Amick III Benjamin C**, Smith Peter M, Aronson Kristan J. Mortality Following

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2. Latour-Villamil D, **Amick III Benjamin C**, Hogg-Johnson S. Health & Safety in construction: Evidence of a union safety effect. PREMUS, Toronto, Ontario, Canada, June 2016.
3. Williams-Whitt Kelly, Bultmann Ute, **Amick III Benjamin C**, Munir Fehmidah, Tveito Torill H, Anema Johannes R. Workplace interventions to prevent disability from the scientific and practice perspectives: A comparison of the scientific and grey literature. Hopkinton Conference, Hopkinton, Massachusetts, April 6, 2016.
4. Van Eerd Dwayne, **Amick III Benjamin C**. Participatory ergonomics for the future.ACHEMA 2015 – International Social Security Association (ISSA) Chemistry Section, Frankfurt, Germany, June 15-19, 2015.
5. **Amick III Benjamin C**. Total Worker Health session (moderator). The Ontario Leading Indicators Project (OLIP): Building the evidence base for choosing the right tools and benchmarking OHS performance. National Occupational Injury Research Symposium (NOIRS), Kingwood, West Virginia, May 19-21, 2015.
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 33. Ramada Rodilla JM, Pujadas S, **Amick III Benjamin C**, Bultmann U, Delclos Clanchet GL. Reliability, validity and responsiveness of the Spanish version of the work role functioning questionnaire. Work Disability Prevention and Integration (WDPI) Conference, Toronto, Canada, September 29 – October 7, 2014.
 34. **Amick III Benjamin C**. Measuring work functioning: Towards cross-national comparisons and applications in different worker populations. Work Disability Prevention and Integration (WDPI) Conference, Toronto, Canada, September 29 – October 7, 2014.
 35. Steenstra IA, Busse JW, Franche RL, Tolusso D, Davilmar A, Lee H, Furlan AD, **Amick III Benjamin C**, Hogg-Johnson S. Predicting time on benefits for injured workers with back pain, what additional information should be collected? Work Disability Prevention and Integration (WDPI) Conference, Toronto, Canada, September 29 – October 7, 2014.
 36. **Amick III Benjamin C**. Putting the organization back in work disability research: Do we need to think more theoretically? Invited keynote speaker at Implementing Work Disability Prevention Knowledge. Work Disability Prevention and Integration (WDPI) Conference, Toronto, Canada, September 29 – October 7, 2014.
 37. **Amick III Benjamin C**, Van Eerd Dwayne. Organizational change in long-term care to prevent MSDs and slips, trips, and falls. Strategic research plan alignment: 1c)1. Workplace policies, programs and practices, understanding workplaces and workplace change. Scientific advisory committee meeting, Toronto, Ontario, Canada, May 5-6, 2014.
 38. **Amick III Benjamin C**, Ibrahim Selahadin, King Trevor, Robson Lynda, Steenstra Ivan, Stevens Alex, Turner Karen, Van Eerd Dwayne, Robertson Michelle, Walsh Kathleen, Boyle Carrie, Greenly Dana, Case Dean, Pajot Jeff. How to make Occupational Health

- and Safety training more effective: Findings from a field trial. Institute for Work & Health, Toronto, Ontario, Canada, January 28, 2014.
39. **Amick III Benjamin C.** Examining the effect of union certification on injury and illness claim rates in the construction sector. Institute of Work & Health Internal Plenary, Toronto, Ontario, Canada, November 5, 2013.
 40. Turner Karen, **Amick III Benjamin C**, Van Eerd Dwayne, King Trevor, Steenstra Ivan, Ibrahim Selahadin, Robertson Michelle, Walsh Kathleen, Case Dean, Boyle Carrie, Greenly Dana, Pajot Jeff. Office ergonomics training comparing in-person to e-Learning to blended training. Association of Canadian Ergonomists (ACE) 44th Annual Conference, Whistler, British Columbia, Canada, October 8-10, 2013.
 41. **Amick III Benjamin C**, Turner Karen, Van Eerd Dwayne, King Trevor, Robson Lynda, Ibrahim Selahadin, Steenstra Ivan, Stevens Alex, Robertson Michelle, Walsh Kathleen, Boyle Carrie, Greenly Dana, Case Dean, Pagot Jeff. Office ergonomics training: Comparing in-person to e-Learning to blended training. 7th Annual Ergonomic Change Team Symposium, Ontario, Canada, November 12, 2013.
 42. Bigelow P, Betts D, **Amick III Benjamin C**, Sieber K, Hogg-Johnson S, Skinner M, Jakubicek P. Health, Safety and Wellness of Truck Drivers in Canada: Results of a Pilot Study. International Conference on Commercial Driver Health and Wellness, Baltimore MD, November 8-10, 2012.
 43. Gensby U, Lund T, Labriola M, Irvin E, **Amick III Benjamin C**. A classification of components around workplace disability management programs. The Second Scientific Conference on Work Disability Prevention and Integration (WDPI), Groningen, The Netherlands, October 22-24, 2012.
 44. Van Eerd D, King T, Irvin E, Keown K, Cole DC, **Amick III Benjamin C**, Bigelow P. Development and dissemination of an evidence-based guide for participatory ergonomics. The Second Scientific Conference on Work Disability Prevention and Integration (WDPI), Groningen, The Netherlands, October 22-24, 2012.
 45. Steenstra IA, Tolusso D, Hogg-Johnson S, Busse JW, Furlan A, Franche RL, **Amick III Benjamin C**. Development of a decision-support tool using administrative data augmented with data from the R-RTW cohort study. The Second Scientific Conference on Work Disability Prevention and Integration (WDPI), Groningen, The Netherlands, October 22-24, 2012.
 46. Gensby U, Lund T, Kowalski K, Saijd M, Filges T, Jorgensen AMK, Irvin E, **Amick III Benjamin C**, Labriola M. The effects of workplace disability management programs (WDMP) – results from a systematic Campbell review. The Second Scientific Conference on Work Disability Prevention and Integration (WDPI), Groningen, The Netherlands, October 22-24, 2012.
 47. **Amick III Benjamin C**, Bazzani L, DeRango K. Assessing the relationship between work role functioning and economic outcomes. The Second Scientific Conference on Work Disability Prevention and Integration (WDPI), Groningen, The Netherlands, October 22-24, 2012.
 48. Boot CRL, Hogg-Johnson S, Bultmann U, **Amick III Benjamin C**, Van der Beek AJ. Predictors of return to work following musculoskeletal injury in workers with and without comorbidity: A 12 month longitudinal study. The Second Scientific Conference on Work Disability Prevention and Integration (WDPI), Groningen, The Netherlands, October 22-24, 2012.

49. **Amick III Benjamin C**, Lee H, Hogg-Johnson S, Steenstra I, Franche R-L, Brouwer S, Bultmann U. How do organizational policies affect return to work and work role functioning following a musculoskeletal injury. The Second Scientific Conference on Work Disability Prevention and Integration (WDPI), Groningen, The Netherlands, October 22-24, 2012.
50. Tompa Emile, Liao Q, Hogg-Johnson S, **Amick III Benjamin C**. Work disability trajectories under three workers' compensation programs. The Second Scientific Conference on Work Disability Prevention and Integration (WDPI), Groningen, The Netherlands, October 22-24, 2012.
51. Hogg-Johnson Sheilah, Chen C, Tulusso D, Tompa E, **Amick III Benjamin C**. Relationship between claims management/adjudication and long claim duration before and after policy change. The Second Scientific Conference on Work Disability Prevention and Integration (WDPI), Groningen, The Netherlands, October 22-24, 2012.
52. Irvin Emma, Furlan AD, Cullen K, Gnam W, Carnide N, **Amick III Benjamin C**, McMaster R, Slack T, Brouwer S, Bultmann U. Interventions for depression in the workplace: A systematic review. The Second Scientific Conference on Work Disability Prevention and Integration (WDPI), Groningen, The Netherlands, October 22-24, 2012.
53. King Trevor K, **Amick III Benjamin C**, Fernley M, Ibrahim S, Robertson M, Robson L, Steenstra I, van Eerd D, MacGregor C. The development and pilot evaluation of an online office ergonomics training program. Association of Canadian Ergonomists 43rd Annual Conference 2012, Halifax, Nova Scotia, August 14-16, 2012.
54. Robertson Michelle M, **Amick III Benjamin C**, Huang Emily YH, Kernan Gabriella. Office ergonomics interventions: Examining the effects on musculoskeletal risk, environmental control and comfort. International Conference on Applied Human Factors and Ergonomics, Miami, Florida, July 17-20, 2010.
55. Shim Matthew J, Gimeno David, Pruitt Sandra L, McLeod Christopher B, and **Amick III Benjamin C**. A Systematic Review of Retirement as a Risk Factor for Mortality. Session 22: Methodological Aspects of Health and Mortality Analysis, Population Association of America 2010 Annual Meeting, Dallas, TX, Apr 15, 2010.
56. Chang Che-Hsu, Chaumont Menendez Cammie, Robertson Michelle M, **Amick III Benjamin C**, Johnson Pete, Pino Rosa Judith, Dennerlein Jack T. Self-reported computer use duration biased the exposure-response relationship of musculoskeletal symptoms, 17th Congress of the international Ergonomics Association, Beijing, China, August 9-14, 2009.
57. Robertson, M., **Amick III Benjamin C**, Rooney, T., DeRango, K., Bazanni, L. Organizational practices and policies: Results from an office ergonomic field intervention study. Proceedings of the 9th International Symposium on Human Factors in Organizational Design and Management. CD ROM, 2008.
58. Chang, **Amick III Benjamin C**, Menendez, Robertson, Dennerlein,. Where and how college students use their laptop computers. Proceedings of the 52nd Human Factors and Ergonomics Society Meeting, CD ROM, 2008.
59. **Amick III Benjamin C**, Sorenson Glorian, Wagner Gregory R, Schulte Paul. Research priorities – Building consensus for future work. WorkLife2007: Protecting and promoting worker health – a national symposium, National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention, 2007.
60. Curcio James A, Stevens Marybeth, Scott Liz R, **Amick Ben** (moderator). Defining excellence: Performance metrics that drive and improve programs. WorkLife2007:

- Protecting and promoting worker health – a national symposium, National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention, 2007.
61. **Amick III Benjamin C**, Robertson, Derango, Cammie Menendez, Lianna Bazzani, Ron Harrist, Anne Moore. (2007). A field intervention replication of a non-randomized trial to reduce musculoskeletal symptoms. PREMUS, 2007.
 62. Menéndez, **Amick III Benjamin C**, Robertson, Bazzani, DeRango, Moore, Harrist. The Importance of Including Visual Symptoms in Computing-Related Upper Extremity Musculoskeletal Symptoms Interventions and Research. PREMUS, 2007.
 63. Menendez, C., Robertson, M.M. **Amick III Benjamin C**, Moore, A., Bazanni, L. Rooney, T.& Harrist, R., 2006., Evaluating visual symptoms changes after two office ergonomics interventions. Proceedings of the 50th Annual Human Factors and Ergonomics Society meeting, Santa Monica, CA.
 64. Robertson, M.M., **Amick III Benjamin C**, Moore, A., Bazanni, L. Menendez, C. 2006. “Designing an effective office ergonomics training: The Story of a field intervention” Proceedings of the 50th Annual Human Factors and Ergonomics Society, Santa Monica, CA.
 65. **Amick III Benjamin C**, Robertson Michelle, Moore Anne, DeRango Kelly, Chaumont Menendez Cammie. The impact of two ergonomic interventions on health and productivity: a quasi-experimental field study comparing results at a private sector intervention site with and earlier public sector site. Eds. Pikaar RN, Koningsveld EAP and Settels PJM. Proceedings of International Ergonomics Association 2006, 16th World Congress, Maastricht, Netherlands, Elsevier.
 66. Chang Che-Hsu (Joe), Chaumont Menendez Cammie, **Amick III Benjamin C**, Johnson PW, Katz Jeffrey N, Robertson Michelle M, Dennerlein Jack T. Increased daily computer usage is associated with musculoskeletal symptoms (Pilot study on 27 undergraduates).Eds. Pikaar RN, Koningsveld EAP and Settels PJM. Proceedings of International Ergonomics Association 2006, 16th World Congress, Maastricht, Netherlands, Elsevier.
 67. Rempel David, Brewer Shelley, Van Eerd Dwayne, **Amick III Benjamin C**, Irvin Emma, Daum Kent, Gerr Fred, Moore JSteven, Cullen Kim. Posture modifying interventions and musculoskeletal health among computer users: a systematic review. Eds. Pikaar RN, Koningsveld EAP and Settels PJM. Proceedings of International Ergonomics Association 2006, 16th World Congress, Maastricht, Netherlands, Elsevier.
 68. Jaworski Karl, Moore Anne, **Amick III Benjamin C**, Robertson Michelle, Bazzini Lianna, Rooney Ted, DeRango Kelly, Harrist Ronald H, Jackson J. The Effect Of Forearm Support On EMG Activity Of The Upper Extremities During Computer Work: A Chair Intervention Study. Proceedings: XXth Congress of the International Society of Biomechanics, July 31-Aug 5, 2005.
 69. Tullar Jessica, **Amick III Benjamin C**, Roberston Michelle, Coley Christopher M, Hupert Nathaniel, Jenkins Mark, Katz Jeffrey. Computing workplace risk factors for college students. Proceedings of the 17th International Occupational Ergonomics and Safety Conference. Publishers: Houston, TX, 2004.
 70. **Amick III Benjamin C**, Robertson Michelle, Bazzani Lianna, DeRango Kelly, Chaumont Menendez Cammie, Rooney Ted, Harrist Ron, Moore Anne. The health impacts of two office ergonomic interventions. Proceedings of the 17th International Occupational Ergonomics and Safety Conference. Publishers: Houston, TX, 2004.

71. Chaumont Menendez Cammie, **Amick III Benjamin C**, Bazzani Lianna, Robertson Michelle, DeRango Kelly, Rooney Ted, Moore Anne, Harrist Ron. The impact of two office ergonomics interventions on visual symptoms. Proceedings of the 17th International Occupational Ergonomics and Safety Conference. Publishers: Houston, TX, 2004.
72. Chaumont Menendez Cammie, **Amick III Benjamin C**, Jenkins Mark, Robertson Michelle, Janowitz Ira, Rempel David M, Dennerlein Jack T, Chang Che-Hsu, Katz Jeffrey N, Harrist Ron. Computing-related risk factors among college students. Proceedings of the 17th International Occupational Ergonomics and Safety Conference. Publishers: Houston, TX, 2004.
73. DeRango Kelly, **Amick III Benjamin C**, Robertson Michelle, Bazzani Lianna, Rooney Ted, Harrist Ron, Moore Ron. The productivity impacts of two office ergonomic interventions: A highly adjustable chair and an office ergonomics training. Proceedings of the 17th International Occupational Ergonomics and Safety Conference. Publishers: Houston, TX, 2004.
74. **Amick III Benjamin C**, Robertson Michelle, Tullar Jessica, Fossel Anne, Coley Christopher M, Hupert Nathaniel, Jenkins Mark, Katz Jeffery. Regular and binge computing and college student health: Preliminary findings. Proceedings of the 17th International Occupational Ergonomics and Safety Conference. Publishers: Houston, TX, 2004.
75. **Amick III Benjamin C**, Robertson Michelle M, DeRango Kelly, Palacios Noe, Allie Paul, Rooney Ted, Bazzani Lianna An Office Ergonomics Quasi-Experimental Field Study. Proceedings of the 47th Annual Human Factors and Ergonomics Society Meeting. Denver, Colorado. October 13-17, 2003.
76. **Amick III Benjamin C**, Robertson Michelle M, DeRango Kelly, Palacios Noe, Allie Paul, Rooney Ted, Bazzani Lianna. An Overview of a Longitudinal Quasi-Experimental Field Study to Evaluate the Effect of an Office Ergonomics Training and a New Chair on Quality of Work Life, Health and Productivity. Proceedings of the 6th International Scientific Conference on Work with Display Units. ERGONOMIC Institut für Arbeit-und Sozialforschung Forschungsgesellschaft mbH: Berchtesgaden, Germany, 2002.
77. DeRango Kelly, **Amick III Benjamin C**, Robertson Michelle M, Palacios Noe, Allie Paul, Rooney Ted, Bazzani Lianna. The Productivity Consequences of Office Ergonomics Training and an Ergonomically Designed Chair. Proceedings of the 6th International Scientific Conference on Work with Display Units. ERGONOMIC Institut für Arbeit-und Sozialforschung Forschungsgesellschaft mbH: Berchtesgaden, Germany, 2002.
78. **Amick III Benjamin C**, Robertson Michelle M, DeRango Kelly, Palacios Noe, Allie Paul, Rooney Ted, Bazzani Lianna. The Health Consequences of an Office Ergonomics Training Coupled with an Ergonomically Designed Chair: Preliminary Results. Proceedings of the 6th International Scientific Conference on Work with Display Units. ERGONOMIC Institut für Arbeit-und Sozialforschung ForschungsgesellschaftmbH: Berchtesgaden, Germany, 2002.
79. Palacios Noe, Robertson Michelle M, **Amick III Benjamin C**, Allie Paul. Building a Transdisciplinary Team for User-Centered Design. Proceedings of the 6th International Scientific Conference on Work with Display Units. ERGONOMIC Institut für Arbeit-und Sozialforschung Forschungsgesellschaft mbH: Berchtesgaden, Germany, 2002.

80. Robertson Michelle M, **Amick III Benjamin C**, DeRango Kelly, Palacios Noe, Allie Paul, Rooney Ted, Bazzani Lianna. The Impact of an Office Ergonomics Training on Worker Knowledge, Behavior and Musculoskeletal Risk. Proceedings of the 6th International Scientific Conference on Work with Display Units. ERGONOMIC Institut für Arbeit-und Sozialforschung ForschungsgesellschaftmbH: Berchtesgaden, Germany, 2002.
81. Robertson Michelle M, **Amick III Benjamin C**, Hupert Nathaniel, Cha Elizabeth, Pellerin Mary, Katz Jeffrey N. Using Participatory Ergonomics to Develop a Workshop on Computer Ergonomics for Young Knowledge Workers. In Ed: M. Smith and G. Salvendy; Systems, Social and Internationalization Design Aspects of Human-Computer Interaction, Vol. 2, pp. 86-90. Lawrence Associates, London, 2001.
82. **Amick III Benjamin C**, Coates Vary T. Trends in the Automation of America's Offices: Implications for US Public Policy. Proceedings of the 2nd International Symposium on Human Factors in Organizational Design and Management. Elsevier Science Publishers: Amsterdam, The Netherlands, 1986.
83. **Amick III Benjamin C**. Ergonomics and Social Epidemiology: Where Should Integration Begin? Proceedings of the Ninth Congress of the International Ergonomics Association. Taylor and Francis, Ltd: London, England, 1985.
84. **Amick III Benjamin C**, Damron Janet. Considerations in Defining Office Automation: A Case Study of the World Bank - Eastern Africa Region. Proceedings of the First International Conference on Human Factors in Organizational Design and Management. Elsevier Science Publishers: Amsterdam, The Netherlands, 1984.
85. **Amick III Benjamin C**, Weisman Carol, Smith Michael J. The Implications of Technological Change for Worker Health: The Role of the Job Redesign Model in Public Health. Proceedings of the First USA-Japan Conference on Human-Computer Interaction. Elsevier Science Publishers: Amsterdam, The Netherlands, 1984.

Books and Monographs

1. Wallerstein Nina, **Amick III Benjamin C**. California Works for Better Health: A Theory of Change and Evaluation Model. The California Endowment: Woodland Hills, CA, 1999.
2. Kawachi Ichiro, Levine Sol, Miller S Mike, Lasch Kathryn, **Amick III Benjamin C**. Income Inequality and Life Expectancy-Theory, Research, and Policy. Society and Health Working Paper Series 94-2, 1994.
3. Ostberg, Olov, Whitaker, Randall and **Amick III Benjamin C**. The Automated Expert: Technical, Human and Organizational Considerations in Expert System Applications (Teldok English Report Series). Teldok: Stockholm, Sweden, 1988.
4. Coates Vary T, **Amick III Benjamin C**, Kost Robert, Madison Mary Ann, Criminal Justice, New Technologies and the Constitution - Special Report. United States Congress, Office of Technology Assessment (OTA-CIT-366). US Government Printing Office: Washington, DC, 1988.
5. Coates Vary T, **Amick III Benjamin C**, Kost Robert, Madison Mary Ann, Science, Technology and the First Amendment - Special Report. United States Congress, Office of Technology Assessment (OTA-CIT-369). US Government Printing Office: Washington, DC, 1988.

6. Coates Vary T, **Amick III Benjamin C**, Kost Robert, Madison Mary Ann, Science, Technology and the Constitution - Background Paper. United States Congress, Office of Technology Assessment (OTA-BP-CIT-43). US Government Printing Office: Washington, DC, 1987.
7. Coates Vary T, **Amick III Benjamin C**. The Social Security Administration and Information Technology - Special Report. United States Congress, Office of Technology Assessment (OTA-CIT-311). US Government Printing Office: Washington, DC, 1986.
8. **Amick III Benjamin C**. Work-Related Psychosocial Stress, Technology and Health. Ph.D. Dissertation, Department of Behavioral Sciences and Health Education, The Johns Hopkins University, School of Hygiene and Public Health, 1986.
9. Coates Vary T, **Amick III Benjamin C**, Gamble M. Karen, Madison Mary Ann. Automation of America's Offices. United States Congress, Office of Technology Assessment (OTA-CIT-287). US Government Printing Office: Washington DC, 1985.

Edited Books and Journals

1. **Amick III Benjamin C**, Levine Sol, Tarlov Alvin R, Walsh Diana C. (eds.) Society and Health. New York: Oxford University Press, 1995.
2. **Amick III Benjamin C**. (Guest Editor) Information Technology and Public Policy in the United States. Office: Technology and People, Vol. 3(4), 1988.

PAPERS/POSTERS (Peer-Reviewed: Only Lead Author)

1. Long Term Care Stakeholder Perspectives on a Participatory Occupational Health and Safety Program. Canadian Association on Gerontology. Montreal, Quebec, Canada. October 20-22, 2016.
2. Workplace Interventions to Prevent Disability from both the Scientific and Practice Perspectives: A Comparison of Scientific Literature, Grey Literature and Stakeholder Observations. International Conference on Work Disability Prevention and Integration. Amsterdam, Netherlands. September 25-28, 2016.
3. Leading indicators: Applying the Institute of Work and Health (IWH) Organizational Performance Metric (OPM) to British Columbia (BC), Canada. Epidemiology in Occupational Health Conference. Barcelona, Spain. September 4-8, 2016.
4. Leading indicators and State-Level Data Analysis: Limitations and Strengths. Use of Workers' Compensation Data for Occupational Safety and Health. Washington DC. June 19-20, 2012.
5. Challenges & Opportunities in Cross-Jurisdictional Comparative Research. Opportunities: What can we do now? What would we like to do? 2012 Canadian Association for Research on Work and Health Conference. Vancouver, Canada. May 31, June 1-2, 2012.
6. How Do Organizational Policies and Practices Affect Return to Work and Work Role Functioning Following a Musculoskeletal Injury? Canadian Association for Research on Work and Health Conference. Vancouver, Canada. May 31, June 1-2, 2012.
7. How Do Organizational Policies and Practices Affect Return to Work and Work Role Functioning Following a Musculoskeletal Injury? National Occupational Injury Research Symposium (NOIRS 2011), Morgantown, WVA, Oct 17-21.

8. A Pilot Study to Examine Some Psychometric Properties of a Measure to Assess Organizational Occupational Health and Safety Performance: The Organizational Performance Metric (OPM). National Occupational Injury Research Symposium (NOIRS 2011), Morgantown, WVA, Oct 17-21.
9. Using Pictograms and Training to Reduce MSD Hazard Behaviors in Kitchen Prep Workers: Lessons Learned in Doing Research in Hard-to-Reach Workers. National Occupational Injury Research Symposium (NOIRS 2011), Morgantown, WVA, Oct 17-21.
10. Benchmarking Your Organization's Disability Management Performance. Canadian Pension & Benefits Institute (CPBI) Forum 2010. Halifax, Canada. June 21-23, 2010.
11. Injury Prevention and Control: Three Themes. Fogarty Presentation Program. Bogotá, Columbia. January 26, 2009.
12. Ontario use of WC data for risk reduction. Using Workers' Compensation Data for Occupational Injury & Illness Prevention. Washington, DC. September 22-23, 2009.
13. Self-reported computer use duration biased the exposure-response relationship of musculoskeletal symptoms. August 9-14, 2009; Beijing, China: The 17th Congress of the International Ergonomics Association.
14. The Prevalence of Hand Disorders amongst Hand Held Device Users and Their Relationship to Patterns of Usage. May 30-June 4, 2009; Toronto, ON (Canada): American Industrial Hygiene Association Conference and Exposition 2009 (AIHce '09).
15. What workplace programs and practices work in preventing upper extremity MSDs? A systematic review. Association of Canadian Ergonomists (ACE) 2009.
16. The role of organizational policies and practices in injury prevention and the management and prevention of work disability. October 21-23, 2008; Pittsburgh, PA (USA): 2008 National Occupational Injury Research Symposium (NOIRS).
17. Interventions in health care settings to improve musculoskeletal health: a systematic review. August 27-30; Boston, USA: PREMUS 2007 Sixth International Scientific Conference on Prevention of Musculoskeletal Disorders.
18. Interventions to reduce musculoskeletal disorders: what does the research tell us? Panel presentation and discussion at Health and Safety Canada 2007 IAPA Conference and Trade Show: April 2007, Toronto, Ontario.
19. Predictors of Successful Work Role Functioning Following Carpal Tunnel Release Surgery. NORA 2003 Symposium on Working Partnerships: Applying Research to Practice. Hilton Crystal City Hotel, Arlington, VA: June 23-24, 2003.
20. Labor Markets and Health: A Social Epidemiological Perspective. Workplace/Workforce Mismatch: Work, Family, Health and Well-Being. Washington, D.C.: June 18, 2003.
21. Organizational Predictors of Successful Return to Work. 5th APA/NIOSH Conference on Work and Health. Toronto, CA: March 23-25, 2003.
22. Bringing the Organization Back into Workers' Compensation Research. Workers' Compensation Research Group Meeting. Cambridge, MA: March 2-3, 2002.
23. Old Health Problems and the New Economy: Pathways to Societal Change. 129th APHA Annual Meeting. Atlanta, GA: October 23, 2001
24. Results of Florida and Minnesota Surveys on Performance of Workers' Compensation Systems. Workers' Compensation Research Group. Santa Monica, CA: November 17, 2000.

25. Organizational Predictors of Reduced Work Disability. 128th American Public Health Association Meeting: Eliminating Health Disparities. Boston, MA: November 12-15, 2000.
26. Disability Outcomes in the Workplace. 128th American Public Health Association Meeting: Eliminating Health Disparities. Boston, MA: November 12, 2000.
27. Life Course Psychosocial Work Exposures and Mortality. 4th APA/NIOSH Conference on Work and Health. Washington, D.C.: March 12 – 14, 1999.
28. Predictors of Two Month Work Status in a Cohort of Workers Undergoing Carpal Tunnel Release. Workers' Compensation Research Group Meeting. Cambridge, MA: March 7-8, 1999.
29. Measuring workers' compensation medical care. American Occupational Health Conference, Boston, MA (USA), April 24-May 1, 1998. (World Meeting Number 982 5009).
30. Work, Household and Leisure Time Limitations in Work-Related Carpal Tunnel Syndrome. Workers' Compensation Research Group Meeting. Cambridge, MA: March 6-7, 1998.
31. Putting the Organization Back Into the Social Epidemiology of Work. American Sociological Association Meeting. Toronto, Canada: August 9, 1997.
32. Developing a New Measure of Organizational Policy and Practices. Workers' Compensation Research Group Meeting. Rutgers University, Camden, NJ: July 19 - 20, 1997
33. Questionnaire Design and Questionnaire Development: Lessons from the Field. Workers' Compensation Research Group Meeting. Rutgers University, Camden, NJ: July 19 - 20, 1997
34. Work Organization and Drinking: A Comparison of Two Exposure Models. 124th American Public Health Association Annual Meeting. New York: November 3-8, 1996.
35. The Relationship of Drinking and Poor Job Design to Work-Related Injury. 122th Annual American Public Health Association Meeting. Washington, DC: October 30-November 3, 1994.
36. 'Ergonomics and Your Health': A Surveillance Program to Evaluate the Effectiveness of Ergonomic Interventions. 122th Annual American Public Health Association Meeting. Washington, DC: October 30-November 3, 1994.
37. The Relationship between Stress and Work Environments and Levels of Drinking. 121st Annual American Public Health Association Meeting. San Francisco, CA: October 24-28, 1993.
38. Ergonomics in U.S. Industry: Findings from 1990-91 OSHA Medical Surveillance Survey. 121st Annual American Public Health Association Meeting. San Francisco, CA: October 24-28, 1993.
39. The Politics of Science or Science-Based Policy: The Case of the San Francisco VDT Ordinance. Human Factors Society. San Francisco, CA: 1991.
40. Evaluating Expert Systems: Rule- or Skill-Based? Conference on Culture, Language and Artificial Intelligence. Stockholm, Sweden: 1988.
41. Continued Automation in USA Insurance Companies and Banks: Expert Systems at the Underwriter Level (translated into Swedish by Olov Ostberg, Forstätt Automatisering av USAs Forsakringsbolag och Banker Expertsystem pa Handlaggarniva). TCO Tidningen, Stockholm, Sweden: 1988.

42. Computers in the Work Place and the OSHA Standard Setting Process. Second International Symposium on Human Factors in Organizational Design and Management. Vancouver, Canada: 1986.
43. Translating Research on New Technology into Public Policy: Is There a Role for Ergonomists? Second International Symposium on Human Factors in Organizational Design and Management. Vancouver, Canada: 1986.
44. Trends in the Automation of America's Offices: Implications for US Public Policy. Second International Symposium on Human Factors in Organizational Design and Management. Vancouver, Canada: 1986.
45. The Impacts of Office Automation on the Quality of Worklife: Considerations for the United States Congress. The 5th UOEH International Symposium: Occupational Safety and Health in Automation and Robotics. Kitakyushu, Japan: 1985.
46. A Three-Year Follow-Up of Changes in the Task Structure of Office Workers during Office Automation. International Ergonomics Association Meetings. Bournemouth, England: 1985.
47. Ergonomics and Social Epidemiology: Where Should Integration Begin? International Ergonomics Association Meetings. Bournemouth, England: 1985.
48. The Implications of Technological Change for Worker Health: The Role of Job Redesign in Public Health. First International Symposium on Human Factors in Organizational Design and Management. Honolulu, Hawaii: 1984.
49. Considerations in Defining Office Automation: A Case Study of the East African Region of the World Bank. First U.S.A.-Japan Conference on Human-Computer Interaction. Honolulu, Hawaii: 1984.
50. Technology, Work-Related Stress and Health among U.S. Postal Workers. American Public Health Association Meetings. Dallas, TX: 1983.
51. The Health Consequences of Technological Change. American Public Health Association Meetings. Montreal, Canada: 1982.

INVITED LECTURES (only those where presenter)

1. From research to practice –experience from the institute of work and health. Nordiska Institutionen för Vidareutbildning inom Arbetsmiljöområdet (NIVA), Reykjavik, Iceland, 2017
2. Leading Indicators in Occupational Safety and Health. Government of Canada – Labour Program, Toronto, Ontario, Canada, May 18, 2016.
3. Ontario Leading Indicators Program. National Institute for Occupational Safety and Health (NIOSH) Center for Workers' Compensation Studies, Webinar, May 12, 2016.
4. Leading Indicators work at IWH: Can we move the needle? OHS Professionals Network event, Institute for Work & Health, Toronto, Ontario, Canada, December 9, 2015.
5. Health & Safety in construction: Evidence of a union safety effect. Institute for Work & Health, Scientific Advisory Committee Meeting, Toronto, Ontario, Canada, May 11-12, 2015.
6. Union Safety Effect: Results from Ontario Construction Sector. Canada's Building Trades Unions (CBTU), Canadian Legislative Conference, Gatineau, Quebec, Canada, May 4-6, 2015.

7. Assessing the validity of the IWH Organizational Performance Metric (IWH-OPM): Workplace case studies, Institute for Work & Health, Toronto, Ontario, Canada, April 16, 2015.
8. Putting the organization back in work disability research: Do we need to think more theoretically? Invited keynote at the Work Disability Prevention and Integration (WDPI) Conference, Toronto, Canada, September 29 – October 7, 2014.
9. How Can We Build Sustainable Change to Prevent Occupational Illnesses and Injuries? Florida International University School of Public Health, Miami, FL, June 12, 2012.
10. Labor Market Interventions in Population Health: A View from Texas. Green College Lecture Series in Population Health, University of British Columbia, Vancouver, BC, Feb 8, 2012.
11. The Role of Social Context in Shaping Individual and Group Behavior: How Do Organizational Policies and Practices Affect Employer Offers of Work Accommodation and Self-Efficacy in Return to Work? The Ohio State University School of Public Health, Columbus, OH, Jan 23, 2012.
12. Using Work Outcomes in Comparative Effectiveness Research: Health-Related Work Role Functioning vs. Work Ability. University of Texas School of Public Health, EOHS Research Seminar Series, Houston, Texas, Nov 4, 2011.
13. Future Directions in Occupational Injury Research: A Canadian Perspective. Invited Keynote at National Occupational Injury Research Symposium, Morgantown, VA, Oct 17-21, 2011.
14. Lessons Learned in Doing Research with Hard to Reach Workers. National Occupational Injury Research Symposium, Morgantown, VA, Oct 17-21, 2011.
15. Factors Influencing Return to Work Following Compensable Injury. Invited Keynote at First Australasian Compensation Health Research Forum, Melbourne, Australia, Oct 13-14, 2011.
16. The Effect of an Office Ergonomic Intervention on Health and Productivity. School of Public Health and Preventive Medicine, Monash University, Oct 7, 2011.
17. Organizational Policies and Practices and Work Role Functioning: The Mediating Effects of Self-Efficacy and Work Accommodation. Monash University Accident Research Center (MUARC), Melbourne, Australia, Oct 6, 2011.
18. Metrics for Assessing Injury and Illness Prevention Programs: Supporting Evidence-Based Decision Making. VPPA 27th Annual Meeting, New Orleans, LA Aug 28-Sept 1, 2011.
19. The economics of work-related MSDs: Why should money matter? Invited keynote at Seventh International Conference on Prevention of Work-related Musculoskeletal Disorders. PREMUS, Angers, France, August 29-September 3, 2010.
20. Benchmarking Leading Organizational Indicators for the Prevention and Management of Work Disability, Rand Center for Occupational Safety and Health Advisory Board Meeting, Washington DC, May 19-20, 2010.
21. Work Disability Benchmarking in a Canadian Context. Canadian Pension Benefits Institute Forum 2010: Navigating the New Normal. Halifax, Nova Scotia, CA, June 21-23, 2010.
22. Leading Indicators of Health and Safety Performance: Why We Need to Look Up Not Down! Harvard ERC Seminar, Boston, MA, March 29, 2010.

23. Effective interventions to prevent work-related MSDs: Lessons from systematic literature reviews, DGUV Conference on work-related MSD, Dresden, Germany, October 16-17, 2009.
24. Presentation of an H&S Economic Evaluation Tool. Health & Safety Canada 2009 IAPA Conference and Trade Show, Toronto, ON, Canada, April 20-22, 2009.
25. The Interplay of Psychosocial and Physical Risk Factors in Musculoskeletal Symptoms – What Can be Learned from Intervention Research? Las Vegas, NV, July 15-17, 2008.
26. Best Practices in Ergonomics. Professional Development Conference & Exposition, Safety 2008, Las Vegas, NV, June 9-12, 2008.
27. Disability Management Approaches in Ontario Workplaces. Return-To-Work Strategies conference, Toronto, ON, March 4-5, 2008.
28. Health and Productivity: Missing Links or Links Missing. Business Health-Employee Health Keynote, Vancouver, BC, July 21-23, 2006.
29. Social Determinants of Health. Disparities in Health in America 3rd Annual Summer Workshop, Houston, TX, June 4-10, 2005.
30. Health Disparities over the working life course: Findings from the Panel Study of Income Dynamics. University of Illinois at Chicago, School of Public Health. Chicago, Illinois. January 9, 2004.
31. Musculoskeletal Disorders: Interventions, Outcomes and Proposals: Welcome to 'Reality Science.' 2004 Symposium: Health and safety priorities for the 21st century. National Occupational Research Agenda (NORA). University of Minnesota, School of Public Health. Minneapolis, MN. May 27, 2004.
32. Psychosocial Aspects of Occupational Illness and Injury. Annual Scientific Meeting. Texas College of Occupational and Environmental Medicine (TxCOEM). Austin, TX. May 15, 2004.
33. Cumulative Working Life Course Exposures and Mortality: Findings from the Panel Study of Income Dynamics. School of Public Health Research Colloquium. University of Texas Health Science Center-Houston, School of Public Health. Houston. April 24, 2003.
34. The Worker Injury National Survey (WINS) California Project. WINS Project Collaborative California Research Colloquium On Workers' Compensation Medical Benefit, Delivery and Return to Work. Los Angeles, CA. May 2, 2003.
35. Labor Markets and Health, Disparities in Health in America: Working Toward Social Justice. Seminar Series at the University of Houston, Center for Research on Minority Health. Houston. October 22, 2002.
36. Multiple Determinants of Successful Aging: A Society and Health Perspective. Regenstrief Conference. Indianapolis. October 1, 2002
37. Relationship between All-Cause Mortality and Cumulative Working Life Course Psychosocial and Physical Exposures in the United States from 1968-1992. National Institute for Occupational Safety and Health. Washington, DC. June 26, 2002.
38. Labor Market Experiences: What Do Policy Makers Need to Know to Improve Population Health? Canadian Population Health Initiative Partnership Meeting. Ottawa. March 13-15, 2002.
39. Measuring the Impact of Illness and Injury on Work Performance. Institute for Work and Health Plenary. Toronto. January 16, 2002.
40. The Labor Markets and Health Framework: A Tool for Building a Competitive Advantage. University of Texas School of Public Health. Dallas. December 17, 2001.

41. Social Inequalities in Health: From Public Health Research to Public Health Action. Public Health Grand Rounds. St. George's University, School of Medicine. Grenada, West Indies. October 9, 2001.
42. Health and Productivity: Building a Competitive Advantage. Institute for Health and Productivity Management. Orlando. Sept., 26, 2001 (Dr. Amick made this presentation on behalf of the Institute for Work and Health).
43. The Worker Injury National Survey Project: Exploring the Feasibility of Building a National Resource. 25th Annual National Symposium on Workers' Compensation. Chicago. July 18, 2001.
44. Work & Health: New Relationships in a Changing Economy. California and International Perspectives, Co-hosted by The California Endowment, The California Wellness Foundation and The Rockefeller Foundation. San Francisco. March 15-16, 2001.
45. Assessing Work Organization Exposure: Towards a New Occupational Epidemiology. Department of Preventive Medicine and Community Health. The University of Texas Medical Branch. Galveston. April 16, 2001.
46. Measuring Organizational Policies and Practices as Predictors of Successful Return to Work. Center for Society and Population Health Luncheon Lecture Series. Center for Society and Population Health, The University of Texas Health Science Center at Houston, School of Public Health. Houston. February 28, 2001.
47. Welfare to Work Transitions and their Health Consequences. Institute for Work and Health. Toronto, Canada. February 17, 2001.
48. Life Course Psychosocial and Physical Work Exposures and Mortality. Texas Institute for Society and Health Seminar Series. Rice University. Houston. November 28, 2000.
49. Thinking about How to Evaluate the Health Impacts of Ergonomic Interventions. Steelcase Corporation Scientific Advisory Board. Grand Rapids, MI, November 1, 2000.
50. Linked Lives as Convoys of Stressors and Resources. James A. Baker Institute for Health Policy. Rice University. Houston, TX, September 26, 2000.
51. The Role of Workers' Compensation in Health Services: Building a National Database. Agency for Healthcare Research and Quality. Washington, DC. April 26, 2000.
52. Labor Markets and Health: Building a Competitive Advantage. National Policy Association Meeting, Lifeline to a Healthy Workforce. Committee on New American Realities. Austin, TX. April 13-15, 2000.
53. Do Organizations Play a Role in Return to Work? Measuring Organizational Policies and Practices. Department of Psychology. Rice University. March 17, 2000.
54. Physicians, Social Change, and Ethics. 2000 Ethics in Medicine Lecture Series. University of Texas-Houston. Medical School. February 23, 2000.
55. Bringing the Organization Back into Return to Work Research: Measuring Organizational Policies and Practices. Centers for Disease Control. NIOSH. Applied Psychology & Ergonomics Branch. Division of Applied Research and Technology (DART). Robert Taft Labs, Cincinnati, OH. February 18, 2000.
56. Measuring Role Performance Moving Beyond the SF-36. Centers for Disease Control, NIOSH, Applied Psychology & Ergonomics Branch, Division of Applied Research and Technology (DART), Robert Taft Labs, Cincinnati, OH, February 18, 2000.
57. The Feasibility of a National Workers' Compensation Medical Care Data Base: A Study Supported by the Robert Wood Johnson Foundation Workers' Compensation Research Initiative. NIOSH-wide Teleconference Presentation; Cincinnati, OH, February 17, 2000.

58. Life Course Psychosocial and Physical Work Exposures and Mortality. Division of Surveillance, Hazard Evaluations and Field Studies (DSHEFS), NIOSH, CDC, Cincinnati, OH, February 17, 2000.
59. USA Efforts to Reduce Social Inequalities in Health. European Network on Interventions to Reduce Social Inequalities in Health, Helsinki, Finland, November 25, 1999.
60. Estimating Working Life Course Exposures for Labor Market Experiences: Letting the Genie out of the Bottle? Faculty Research Symposium, University of Texas-Houston, School of Public Health, Houston, TX, November 12, 1999.
61. Measuring Successful Return to Work Using the Work Limitations Questionnaire. The Medical Outcomes Trust State of the Art Conference, Baltimore, MD, Oct 24-26, 1999.
62. Bringing the Organization Back Into Return to Work Research: Measuring Organizational Policies and Practices. Ergonomic Barriers to Rehabilitation and Employment: A Symposium on Models and Methods, University of Michigan, Ann Arbor, MI, May 19-29, 1999.
63. Life Course Models of Work Exposure: What Can We Do and What Should We Do? Laval University Medical School, March 22, 1999.
64. If We Are Going to Intervene in Labor Markets to Improve Health then What Should Our Measures of Success Be and Why? The Rockefeller Foundation, March 2nd, 1999.
65. Measuring Successful Return-to-Work Using the Work Limitations Questionnaire. Fourth International Conference on Upper Extremity Cumulative Trauma Disorders, San Francisco, CA December 9-10, 1998.
66. A Brief Reflection on Labor Markets and Health. The Board of Directors of The California Endowment, San Francisco, CA, November 30th, 1998.
67. Measuring Generic- and Disease-Specific Measures of Functioning in Workers' Compensation Research, Robert Wood Johnson Foundation Workshop on Workers' Compensation, September 17-18, 1998.
68. Ergonomics and Your Health Project. The Office Ergonomics Research Committee, Grand Rapids, MI, July 30, 1998.
69. The Work Limitations Questionnaire: Design & Development. The American College of Environmental and Occupational Medicine Conference, Boston, MA, April 29, 1998.
70. Labor Markets and Health: A Framework and Illustrative Examples. Kansas Conference on Health and Its Determinants, Wichita, KS, April 20-21, 1998.
71. Society and Health: From Social Determinants to Social Change. Global Health Equity Initiative Meeting, ChongQing, China, October 4, 1997.
72. Human and Economic Costs of Occupational Injury and Illness. National NIOSH SENSOR Conference, Monterey, CA, May 12 – 15, 1997.
73. Job Strain and Health over the Life Course. Harvard Educational Resource Center of the Occupational Health Program, April 21, 1997.
74. Work Counts: Traveling the Social Inequality Highway to Poor Health. Tufts University School of Medicine, January 16, 1997.
75. Outcomes Research in Occupational Safety and Health. The University of Connecticut Health Center, Farmington, CT, September 9, 1996.
76. Measuring Work Loss and Productivity (with D.J. Lerner). GlaxoWellcome, Inc., Research Triangle Park, NC, May 19, 1995.
77. Measuring Work Role Functioning and Disability (with D.J. Lerner). Merck & Co., Inc., West Point, PA, November 28, 1995.

78. Organizational Life and Substance Use: Toward a Society and Health Model of How Drinking is Related to Work. Alcohol, Society and the Determinants of Health International Symposium, Kiawah Island, Charleston, SC: November 18-21, 1993.
79. Sociocultural Factors and Health - A Commentary on the State of the Evidence and Future Directions. Robert Wood Johnson Foundation Workshop on Sociocultural Factors and Health, Princeton, NJ: April 27, 1993.
80. Technology, Work Organization and the Concept of Exposure in the Workplace. The Johns Hopkins University, School of Hygiene and Public Health, Baltimore, MD, 1989.
81. Expert Systems Applications: Towards Integrated Human Systems or the Automated Expert. TCO Special Workshop on Expert Systems and Artificial Intelligence, Stockholm, Sweden, 1988.
82. Safety Regulations for the VDT Work Environment. Conexion '85, Atlanta Market Center, Atlanta, GA, 1985.
83. Public Health Issues in the Study of Visual Health and Computing. Industrial Products Research Institute, Ministry of International Trade and Industry, Japan, Tsukuba Science City, Japan, 1985.
84. Technology Bargaining and Human Factors Standards: American Vignettes on VDT's. International Forum of VDT Work - How to Use the VDT Effectively. Hiroshima Industry Association, Japan, 1985.
85. Organizational Context and Systems Analysis: Neglected Areas of Office Automation R & D. C & C Sensing Division, NEC International Headquarters, Tokyo, Japan, 1985.

CURRENT FUNDED RESEARCH (United States Only)

PAST FUNDED RESEARCH (United States Only)

LGBT/GNC Hate Crimes in Miami-Dade County: Improving Awareness, Reporting, Investigation, and Prosecution. funded by the National Institute of Justice. Principal Investigator - Besiki Kutaladzei, Co-Investigator Benjamin C Amick III (5% time). 2018-2019. Direct Costs: \$300,031.

Continued Development of an Economic Decision Support Tool to Support Retrofitting Health Care Facilities in the Caribbean funded by The Pan American Health Organization (PAHO). Principal Investigator - Alejandro Arrieta, Co-Investigator Benjamin Amick (5% time). Jan 2017 – Dec 2019; Direct Costs; \$310,600

Scientific Support Grant funded by the Institute for Work and Health. Principal Investigator- Benjamin C Amick III (20% time). Direct Costs: \$214,000. Jan 2014-Dec 2018.

Development of an Economic Decision Support Tool to Support Retrofitting Health Care Facilities in the Caribbean funded by The Pan American Health Organization (PAHO). Principal Investigator- Benjamin C Amick III (5% time). Direct Costs: \$218,713. Nov 2014 – Dec 2017.

New Year New You funded by the University of Texas System, Vice President for Benefits. Co-Principal Investigator-Benjamin C Amick III (15% time). Direct Costs: \$800,000. Feb 2014-Dec 2017.

EMBRACE: Assessment of the Economic Burden of Autism funded by FIU Health. Principal Investigator - Alejandro Arrieta, Co-Investigator Benjamin C Amick III (5% time), Direct Costs \$50,000, Sept 2014-Sept 2015.

An Evaluation of Student Health Services at Florida International University funded by Student Health Services (SHS) and FIU Health. Principal Investigator - Alejandro Arrieta, Co-Investigator Benjamin C Amick III (1% time), Direct Costs \$25,000, Sept 2014-Sept 2015.

Scientific Support Grant funded by the Institute for Work and Health. Principal Investigator-Benjamin C Amick III (50% time). Direct Costs: \$214,000. Aug 2012- Jan 2014.

Evaluating the Effectiveness of Occupational Safety and Health (OSH) Program Elements in the Wholesale Retail Trade (WRT) Sector funded by the National Institute for Occupational Safety and Health (NIOSH Intramural Projects). Subcontract Principal Investigator-Benjamin C Amick III (5%), Principal Investigator-Steven J Wurzelbacher. Direct Costs: \$552,938. Sept 2010-Aug 2016.

Examining the Relationship Between BMI and Workers Compensation Injuries funded by the Florida Department of Health. Principal Investigator – Benjamin C Amick III. Direct Costs \$4,000. January 2015-April 2015.

Supporting the Sacred Vocation Program at Baylor University Medical Center funded by the Baylor Health Care System – Dallas. Principal Investigator-Thomas Cole, Co-Investigator-Benjamin C Amick III (7% time). Direct Costs 385,000. July 2008-June 2013.

Evaluating the Occupational Health and Safety Administration Employer Consultation Program funded by USDOL. Principal Investigator – Benjamin C Amick III (5% time). Direct Costs: \$100,000. Sept 2012-Sept 2013.

Assessing the Feasibility of Evaluating the Voluntary Protection Program at USDOL/Occupational Health and Safety Administration funded by USDOL. Principal Investigator – Benjamin C Amick III (5% time). Direct Costs: \$100,000. Sept 2012-Sept 2013.

Building a BluePrint for Health funded by the City of Houston Texas, Principal Investigator – Benjamin C Amick III (5% time). Direct Costs: \$41,230. August 2010–Sept 2011.

Fogarty Training Program in Trauma and Injury funded by the Fogarty International Program, (NIH). Co-Principal Investigator-Benjamin C Amick III (5% time) with Sarah Felknor. Direct Costs: \$750,000. May 2006-April 2011.

Doctoral Training Program in Occupational Injury Prevention Research Supplement to the Southwest Center for Occupational and Environmental Health Education and Research Center funded by the Centers for Disease Control (NIOSH). Principal Investigator-Sarah Felknor.

Training Grant Director-Benjamin C Amick III (5% time). Direct Costs: \$113,978. July 2001-June 2011.

Sacred Vocation: Transforming Work in Health Care funded by Episcopal Health Charities. Principal Investigator-Benjamin C Amick III. Direct Costs: \$614,665(10% time). May 2001-June 2007.

Doctoral Training Program in Occupational Epidemiology Supplement to the Southwest Center for Occupational and Environmental Health Education and Research Center funded by the Centers for Disease Control (NIOSH). Principal Investigator-Sarah Felknor. Training Grant Director-Benjamin C Amick III. Direct Costs: \$98,978 (5 % time). July 2006-June 2008.

Center for Hispanic Health Disparities Research funded by NIH, Research Infrastructure in Minority Institutions Program based at the University of Texas Health Science Center at El Paso. Principal Investigator-John Bristol, UTEP. Co-Director-Benjamin C Amick III (5 % time). Direct Costs: \$587,186. September 2003-September 2008.

Labor Markets and Health funded by the Texas Program for Society and Health, James A. Baker III Institute for Public Policy, Rice University. Principal Investigator-Benjamin C Amick III (20 % time). Direct Costs: \$64,983. December 2003-December 2004.

Texas Program for Society and Health Seminar Series funded by the Texas Program for Society and Health, James A. Baker III Institute for Public Policy, Rice University. Principal Investigator-Benjamin C Amick III (2 % time). Direct Costs: \$25,280. December 2003-December 2004.

Scientific Support Grant funded by the Institute for Work and Health. Principal Investigator-Benjamin C Amick III (20 % time). Direct Costs: \$91,432. September 1, 2002-August 31, 2004.

Occupational Health Services Research funded by the Centers for Disease Control (NIOSH). Principal Investigator-Benjamin C Amick III (10 % time). Direct Costs: \$ 37,491. May 2002-September 2003.

Leap ® Work Effectiveness Study funded by Steelcase Development Corporation. Principal Investigator-Benjamin C. Amick (1 % time). Direct Costs: \$1,415. August 2002-August 2003.

Organizational Predictors of Successful Return to Work funded by the Centers for Disease Control (NIOSH). Principal Investigator-Benjamin C Amick III (20 % time). Direct Costs: \$340,271. September 1998-September 2002.

A Study of the Feasibility of a National Workers' Compensation Database funded by the Robert Wood Johnson Foundation, Workers' Compensation Research Initiative. Principal Investigator-Benjamin C Amick III (20 % time). Direct Costs: \$338,177. November 1999-October 2002.

Outcomes of Injured Employee Health Status Assessment funded by the Centers for Disease Control (NIOSH). Principal Investigator-Bob Ross, University of Vermont. Consultant-Benjamin C Amick III (5 % time). Direct Costs: \$153,184. September 2000-August 2001.

Social Inequalities in Occupational and Health Services funded by the Centers for Disease Control (NIOSH). Principal Investigator-Al Dembe, University of Massachusetts At Worcester Medical Center. Subcontractor-Benjamin C Amick III (5 % time). Direct Costs: \$117,000. September 2000-October 2002.

A Study of Social Cohesion in Communities in Houston and on the Mexico/Texas Border funded by the Texas Department of Health. Principal Investigator-Luisa Franzini. Co-Investigator Benjamin C Amick III (15% Time). Direct Costs: \$299,602. October 2000-September 2002.

Improving the Outcomes of Low Back Pain funded by UNUM Corporation. Principal Investigator-Debra Lerner. Co-Investigator-Benjamin C Amick III (30% Time). Direct Costs: \$181,000. December 1999-December 2000.

Work-Related Musculoskeletal Disorders: Evaluating Interventions among Office Workers funded by the National Institute of Occupational Safety and Health (NIOSH). Principal Investigator-Donald Cole. Consultant-Benjamin C Amick III (1 % time), Direct Costs: \$151,633. September 1999-September 2002.

Work Injuries and Illnesses in Older Workers: Causes, Consequences and Prevention funded by the National Institute for Occupational Safety and Health. Principal Investigator-Glen Pransky. Subcontractor- Benjamin C Amick III (5 % time), Direct Costs: \$343,689. October 1999-September 2002.

A Test of the Relationship of Work Limitations Questionnaire Scores to Worker Productivity funded by Glaxo/Wellcome. Principal-Investigator-Debra Lerner. Co-Investigator-Benjamin C Amick III (10% time). Direct Costs: \$36,329. May 1998-April 1999.

Maine Workers' Compensation Health Care Improvement Initiative funded by the Robert Wood Johnson Foundation (Grant # 034229). Principal Investigator-Robert Keller. Consultant-Benjamin C Amick III (2 % time), Direct Costs: \$175,440. April 1998-September 2000.

Development of an Evaluation Plan for a Labor Market and Health Intervention funded by the California Endowment Foundation. Co-Principal Investigators-Nina Wallerstein, University of New Mexico Medical School and Benjamin C Amick III (20 % time). Direct Costs: \$98,000. September 1998-June 2000.

Working Lives and Mortality in an Aging National Cohort funded by the National Institutes of Health (NIA) and the Centers for Disease Control (NIOSH). Principal Investigator-Benjamin C Amick III (20 % time). Direct Costs: \$846,895. May 1996-September 2000.

Measurement of Human and Economic Burden of Occupational Illness and Injury, Grant #: RO1-OH03399, funded by the Centers for Disease Control (NIOSH). Principal Investigator-Benjamin C Amick III (20 % time). Direct Costs: \$359,274. June 1996-Jan 1999.

Health-Related Ability to Work: A Self-Administered, Generic Questionnaire for Measuring Work Limitations funded by Glaxo/Wellcome. Principal-Investigator-Debra Lerner. Co-

Investigator-Benjamin C Amick III (10% time). Direct Costs: \$324,619. February 1996-May 1999.

Condition-Specific Work Performance and Productivity Questionnaire funded by Merck. Principal-Investigator-Debra Lerner. Co-Investigator-Benjamin C Amick III (10% time). Direct Costs: \$70,000. June 1994-June 1996.

Organizational Determinants of Drinking funded by the Alcohol Beverage Medical Research Foundation. Principal Investigator-Benjamin C Amick III (10 % time). Direct Costs: \$47,389. April 1996-February 1998.

The Impact of Work on Women's Health and Quality of Life (The Nurses Health Study), Grant #: RO1-AG1280601A1, funded by the National Institutes of Health. Principal Investigator-Graham Colditz. Co-Investigator-Benjamin C Amick III (10% time). Direct Costs: \$894,698. September 1995-August 1998.

CURRENT FUNDED RESEARCH IN CANADA*

*In Canada, funding only supports operational work and not salary of principal investigator or co-investigators.

Improving Approaches to Early and Sustainable Return to Work in the Construction Sector. Funded by the Workplace Safety and Insurance Board (WSIB), Ontario. Christopher McLeod (PI), **Benjamin C Amick III**, Mieke Koehoorn, Frances St. Hilaire. Direct Costs: \$344,928. 2017-2019.

Return to Work After Work Injury in the Health Care Sector in Manitoba: the Role of Workplace Policies and Practices. Funded by the Workers Compensation Board of Manitob. Christopher McLeod (PI), **Benjamin C Amick III**, Mieke Koehoorn, France St-Hilaire, Esther Maas, Robert Macpherson. Direct Costs: \$199,944. 2018-2020.

The Effectiveness of Regulatory Enforcement Activities in Reducing Workplace Injury Rates in Alberta. Funded by the Alberta OHS Futures Grants. Christopher McLeod (PI), **Benjamin C Amick III**, Emile Tompa. Direct Costs: \$160,000. 2017-2019.

PAST FUNDED RESEARCH IN CANADA

Development of Benchmarking Reports and a Dashboard to Change the Conversation in Construction. Funded by the Workers Compensation Board of Manitoba. **Benjamin C Amick III** & Mike Jones (Co-PIs), Dwayne Van Eerd D, Christopher McLeod. Direct Costs: \$198,190 2017-2019.

Implementing Participatory Organizational Change (iPOC): Evaluating a participatory intervention in long term care. Funded by the Ontario Ministry of Labour. Dwayne Van Eerd (Co-PI) and **Benjamin C Amick III** (Co-PI), Sheilah Hogg-Johnson, Lynda Robson, Ivan Steenstra, Cameron Mustard, Richard Wells, Henrietta Van Hulle. Direct Costs: \$299,967. 2017-2019.

Safe Patients/Safe Staff: Developing a 'Universal Precautions' Aggressive Behaviour Risk Protocol to Improve Healthcare Worker Safety and Patient Care. Funded by AHSC AFP Innovation Fund. Wiesenfeld L and Loftus C (co-PIs), **Benjamin C Amick III**, Lowe N, Afriyie-Boateng M, Vyshnevski E, Lawson A. Direct Costs: \$177,22. 2016-2018.

Evaluating the Effectiveness of Violence Prevention Programs in Health Care. Funded by WorkSafeBC, Specific Research Priorities (RS2014-SP02). Christopher McLeod (PI), George Astrakianakis Sam Sheps, Charles Goldsmith, **Benjamin C. Amick III**. Direct Costs: \$180,727. 2015-2016.

SafeCare Leading Indicators Baseline Project: Applying the OPM to the long-term health care sector in British Columbia. Funded by WorkSafe BC Special Projects Fund. Christopher McLeod (PI), **Benjamin C Amick III**, Mieke Koehoorn. Direct Costs: \$74,950. 2015-2016.

System-Based Return-to-Work and Work Disability Management/Support Interventions: A Systematic Review. Funded By WorkSafe BC. Kim Cullen (PI), Emma Irvin, **Benjamin C Amick III**, Dwayne Van Eerd, Quenby Mahood, Siobhan Cardoso, Judy Geary. Direct Costs: \$102,291. 2012-2014.

Return to Work after Work Injury and Illness: An International Comparative Effectiveness Study of Canada, Australia and New Zealand. Funded by the Canadian Institute for Health Research. Chris McLeod (PI), **Benjamin C. Amick III**, Alex Collie, Sheilah Hogg-Johnson, Mieke Koehoorn, Peter Smith, John Wren. Direct Costs: \$766,050. 2013-2018.

SafeCare Leading Indicators Baseline Pilot: Applying the Organizational Performance Metric to the Long-term Health Care Sector in British Columbia. Funded by WorkSafe BC. Chris McLeod, Mieke Koehoorn, **Benjamin C. Amick III**. Direct Costs: \$74,950. 2015.

Improving Approaches to Early and Sustainable Return-to-Work in the Construction Sector. Funded by the Workplace Safety and Insurance Board, Ontario. Christopher McLeod (PI), **Benjamin C Amick III**, Meike Koehoorn. Direct Costs: \$172,464. 2015.

Development of Benchmarking Reports and a Dashboard to Change the Conversation in Construction. Funded by the Workers Compensation Board of Manitoba. **Benjamin C Amick III** & Mike Jones (Co-PIs), Dewayne Van Eerd D, Christopher McLeod. Direct Costs: \$198,190 2017-2019.

Strengthening Disability Management in the Ontario Municipal Sector. Funded by the Social Science Research Council and the Canadian Institutes for Health Research. Cameron Mustard (PI), (PI) **Benjamin C Amick III**, Lynda Robson, Vicki Kristman, Arif Jetha, Ulrik Gensby, Christopher McLeod, Agneska Kosny. Direct Cost: \$150,000. 2013-2015.

Developing and Evaluating a Multifaceted Patient Handling Program Among Nurses to Improve Safety Culture: A Pilot Study. Funded by the Centre for Research Expertise in Musculoskeletal Disorders. Dwayne Van Eerd & Amy Chow A (Co-PIs), Ivan Steenstra, **Benjamin C Amick III**, Trevor King. Direct Costs: \$9,600. 2012.

Evaluating the Effectiveness of Violence Prevention Programs in Health Care. Funded by the Public Services Health & Safety Association (PSHSA). **Benjamin C Amick III** (PI). Dwayne VanEerd. Direct Costs: \$110,000. 2014-2016.

Predicting Successful Return to Work in Worker on Disability Due to Low Back Pain. Funded by the Canadian Institute for Health Research. Ivan Steenstra (PI), **Benjamin C. Amick III**, Jason Busse, Andrea Furlan, Sheilah Hogg-Johnson. Direct Costs: \$322,946. 2013- 2017.

SafeCare Leading Indicators Baseline Project: Applying the OPM to the long-term health care sector in British Columbia. Funded by WorkSafe BC. Christopher McLeod (PI), **Benjamin C Amick III**, Mieke Koehoorn. Direct Costs: \$74,950. 2014-2015.

A Supervisor Training Program for Work Disability Prevention: A Cluster Randomized Controlled Trial. Funded by the Canadian Institutes for Health Research. Vicki Kristman (PI), **Benjamin C. Amick III**, William Shaw, Patrick Loisel, Cecile Boot, David Tolusso, Sheilah Hogg-Johnson. Direct Costs: \$331,224. 2013-2016.

The Health and Wellbeing Consequences of the Great Recession: A Comparative and Cross-Judicial Analysis. Funded by the Canadian Institute for Health Research. Chris McLeod (PI), **Benjamin C. Amick III**, Heather Scott-Marshall. Direct Costs: \$36,200. 2013-2016.

Determinants of Health and Safety in Ontario's Construction Sector. Funded by the Ontario Minstray of Labour. **Benjamin C. Amick III** (PI), Sheilah Hogg-Johnson, Ron Saunders, Katherine Jacobs, Paul Demers, Chris McLeod. Direct Costs: \$296,908. 2014-2016.

How are Leaders using Benchmarking Information on Occupational Health and Safety? Funded by the Ontario Minstray of Labour. **Benjamin C. Amick III** (PI), Dwayne Van Eerd, Judy Village, Irene Lambraki. Direct Costs: \$257,795. (2013-2015).

Further Exploration of Breakthrough Change in OHS Performance. Funded by the Ontario Workplace Safety & Insurance Board. Lynda Robson (PI), **Benjamin C. Amick III**, Sheilah Hogg-Johnson, Emile Tompa, Harry Shannon, Mark Pagell, Liz Mansfield. Direct Costs: \$180,360. 2013-2015.

Center for Work, Health and Well-Being. Funded by the Harvard School of Public Health. **Benjamin C. Amick III** (PI) \$63,000 (2011-2015).

Validation of an Ontario Prevention System Leading Indicator. Funded by the Ontario Workplace Safety & Insurance Board. **Benjamin C. Amick III** (PI), Lynda Robson, Sheilah Hogg-Johnson, Dwayne Van Eerd, Peter Smith. Direct Costs: \$249,982. 2011-2013.

Developing an Intervention to Reduce Occupational Health and Safety Risk among Vulnerable Workers: Pictograms and Training for Low-Literacy Hotel/Motel Workers. Funded by the Ontario Workplace Safety & Insurance Board. **Benjamin C. Amick III (PI)**, Dwayne VanEerd. Direct Costs: \$29,760. 2010-2011.

Firm Selection Algorithms Comparison Over Time. Funded by the Ontario Workplace Safety & Insurance Board. Sheilah Hogg-Johnson (PI), **Benjamin C. Amick III**. Direct Costs: \$72,650. 2011-2012.

Developing Leading Indicators from OHS Management Audit Data. Funded by the Ontario Workplace Safety & Insurance Board. Lynda Robson (PI), **Benjamin C. Amick III**. Direct Costs: \$86,800. 2010-2012.

Two Cohort Comparison: Comparison of the 1993 Early Claimant Cohort and the 2005 Readiness for Return to Work Cohort. Funded by the Ontario Workplace Safety & Insurance Board. Sheilah Hogg-Johnson (PI), **Benjamin C. Amick III**. Direct Costs: \$120,805. 2011-2013.

Interventions to Increase Workplace Wellness. Funded by the Canadian Cancer Society. Carolyn Gotay (PI), Catherine Adair, **Benjamin C. Amick III**, Kitty Corbett, Sharon Storoschuk. Direct Costs: \$583,111. 2010-2014..

Breakthrough Change in Workplace OHS Performance. Funded by the Ontario Workplace Safety & Insurance Board. Lynda Robson and **Benjamin C. Amick III** (co-PIs), Sheilah Hogg-Johnson, Liz Mansfield, M. Pagell, Harry Shannon. Direct Costs: \$59,868. 2009-2010.

Benchmarking Leading Organizational Indicators for the Prevention and Management of Injuries and Illnesses. Funded by the Ontario Workplace Safety & Insurance Board. **Benjamin C Amick III** (PI), Sheilah Hogg-Johnson, Peter Smith, Cameron Mustard, Emile Tompa, Lynda Robson, Lois Tetrick. Direct Costs: \$363,072. 2009-2012.

Work Disability Trajectories and Claim Duration in Ontario Under Three Workers' Compensation Legislations. Funded by the Ontario Workplace Safety & Insurance Board. Emile Tompa (PI), Sheilah Hogg-Johnson, **Benjamin C Amick III**, Heather Scott-Marshall. Direct Costs: \$141,088. 2009-2011.

Safety Case for Business: A Multi-Stakeholder Examination of Best Practices and Health and Safety Outcomes. Funded by the Ontario Workplace Safety & Insurance Board. Mark Pagell (PI), Emile Tompa, M Biehl, L Ginsberg, D Johnston, R Lassen, A Vetri, **Benjamin C Amick III**, Sheilah Hogg-Johnson, Lynda Robson. Direct Costs: \$387,300. August 2008-July 2011.

A Randomized Trial of the Effectiveness of Two Office Ergonomics Training Approaches for Seated Environments: Comparing an In-Person to Computer-Based Training. Funded by the Ontario Workplace Safety & Insurance Board. **Benjamin C Amick III (PI)**, Dwayne Van Eerd, Ivan Steenstra, Peter Smith, Donald Cole, Selahadin Ibrahim, Emile Tompa, Philip Bigelow, Michelle Robertson, Dorcas Beaton. Direct Costs: \$235,047. 2008-2010.

Development of eLearning for Office Ergonomics. Funded by the Ontario Workplace Safety & Insurance Board. Funded by the Ontario Workplace Safety & Insurance Board. Dwayne Van Eerd (PI), Trevor King, **Benjamin C. Amick III**, Lynda Robson, Carolyn MacGregor. Direct Costs: \$39,718. 2013-2014.

Assessing the Validity and Reliability of a Tool to Support Reducing Patient on Staff Violence-Related Injuries. Funded by the Ontario Workplace Safety & Insurance Board. **Benjamin C. Amick III** (PI), Dorcas Beaton, Debra Churchill, Sheilah Hogg-Johnson, Lynda Robson, Dwayne Van Eerd, Sanaz Riahi. Direct Costs: \$59,720. 2013-2014.

Training for and Evaluation of Pictograms. Funded by the Ontario Service Safety Alliance (OSSA). **Benjamin C Amick III** (PI). Direct Costs: \$10,000. 2009-201.

Development and eEvaluation of a Computer-based Training Program to Prevent and Manage Musculoskeletal Injuries in Computer-based Work Environments. Funded by the Ontario Workplace Safety & Insurance Board. **Benjamin C. Amick III** (Co-PI) and Betty Dondertman (Co-PI), Michelle Robertson, Lynda Robson, Ivan Steenstra, Dwayne Van Eerd. Direct Costs: \$56,680. 2009-2010.

Design of Thumb Keyboards: Performance and Comfort. Funded by the Ontario Workplace Safety & Insurance Board. Richard Wells (PI), **Benjamin C Amick III**, Ivan Steenstra. Direct Costs: \$29,782. 2010.

Economic Evaluation Workbook for Workplace Parties in the Health Care Sector. Funded by WorkSafe BC. **Emile Tompa**, Benjamin Amick, Christopher McLeod, Hasanat Alamgir, Kiera Keown, Anita Dubey, Emma Irvin. Direct Costs: \$50,000. 2009-2010.

A Prediction Rule for Duration of Disability Benefits in Workers with Non Specific Low Back Pain. Funded by the Ontario Workplace Safety & Insurance Board. Ivan Steenstra (PI), **Benjamin C Amick III**, Jason Busse, Renee-Louise Franche, Andrea Furlan, Sheilahh Hogg-Johnson, David Tolusso. Direct Costs: \$79,692. 2009-2011.

Skills for the Job of Recovery: Testing the Feasibility of an Online Program for Developing Self Efficacy and the Skills Needed for the Job of Returning to Optimal Work. Funded by the Ontario Workplace Safety & Insurance Board. Dorcas Beaton (PI), Peter Smith, Dwayne Van Eerd, Carol Kennedy, Kenneth Tang, Ivan Steenstra, **Benjamin C. Amick III**, J. MacDermid, R. Richards, Ellen MacEachen, William Gnam, I. MacRitchie, K. Lorig, Gabrielle van der Velde. Direct Costs: \$58,168. 2009-2010.

Economic Evaluation Software for Manitoba Workplaces. Funderd by the Workers' Compensation Board of Manitoba. Emile Tompa (PI), **Benjamin C Amick III**, Kiera Keown, Anita Dubey, Emma Irvin. Direct Costs: \$69,453. 2009-2011.

Knowledge Synthesis: KTE Practices: A Systematic Review of the Quality and Types of Performance Measures Used to Assess KTE Implementation Effectiveness and Impact. Funded by the Canadian Institutes of Health Research. Dwayne Van Eerd (PI), R Reardon, D Clements, A Laupacis, **Benjamin C Amick III**, Emma Irvin, Jane Gibson, Kiera Keown, Donald Cole, J Garcia, D Kramer, D Phipps, Quenby Mahood, M Kohn. Direct Costs: \$100,000. May 2009-February 2010.

The Behavioural Incentives of Experience Rating: An Investigation into the Health and Safety Consequences of the New Experimental Experience Rating Program in Ontario. Funded by the Ontario Workplace Safety & Insurance Board. Emile Tompa (PI), **Benjamin C Amick III**, Sheilabh Hogg-Johnson, Lynda Robson. Direct Costs: \$122,016 (1 January 2009-31 December 2010).

Evidence on Tap: Depression in the Workplace: A Systematic Review of the Literature. Funded by the Canadian Institutes of Health Research. Andrea Furlan (Co-PI) and William Gnam (Co-PI), Emma Irvin, Nancy Carnide, Jane Gibson, Kiera Keown, Ute Bültmann, Sandra Brouwer, Kelly DeRango, **Benjamin C. Amick III**. Direct Costs: \$110, 000. 2010-2011.

Geographic Variation in Occupational Injury and its Correlates Among Canadian Men and Women. Funded by the Canadian Institutes of Health Research. F Curtis Breslin (PI), **Benjamin C Amick III**, J Dunn, Selahadin Ibrahim, K Shankardass, Peter Smith. Direct Costs: \$146,879. January 2009-December 2011.

The Problem of Claims Persistency – What is Driving Increases in Persistent and Locked-in Claims? Funded by the Ontario Workplace Safety & Insurance Board. Sheilah Hogg-Johnson (PI), **Benjamin C. Amick III**. Direct Costs: \$182,583. 2008-2011.

The Sensory Feedback Mouse Study: Pilot Study on the Effectiveness of Sensory Feedback in VDU Workers. Funded by the Centre of Research Expertise for the Prevention of Musculoskeletal Disorders and Disability (CRE-MSD). Ivan Steenstra (PI), Dwayne Van Eerd, Donald Cole, **Benjamin C Amick III**, Philip Bigelow. Direct Costs: \$10,000. 2008.

Refining Exposure Measurements in VDU Workers: Comparison of Four Methods. Funded by the Centre of Research Expertise for the Prevention of Musculoskeletal Disorders and Disability (CRE-MSD). Dwayne Van Eerd (PI), Ivan Steenstra, Donald Cole, Philip Bigelow, **Benjamin C Amick III**, Dorcas Beaton. Direct Costs: \$10,000. 2008.

CURRENT INTERNATIONAL FUNDED RESEARCH

PAST INTERNATIONAL FUNDED RESEARCH

Beyond Return-to-Work: A Longitudinal Study on Work Functioning in Cancer Survivors. **Dutch Cancer Society** Ute Bultmann (PI), **Benjamin C. Amick III**. Direct Costs: €439.100/\$554,692 USD. 2012-2016.

Use of a Spanish Adaptation of the Work Role Functioning Questionnaire in the Evaluation of Work Ability and Identification of Preventive Interventions. Funded by the Fondo de Investigaciones Sanitarias, Spain. JM Ramada, J Delclos, Consul Serra (PI), **Benjamin C. Amick III**, S Vargas-Prada, M Sampere. Direct Costs: €61.030. 2008-2010.

TEACHING

Courses at the Florida International University

Evidence Synthesis in Clinical and Health Policy Decision Making (3 credits): Developed this course as a core course in both the Health Policy and Management and Health Economics Masters of Public Health. This course was converted from an in-person course to an on-line course and then converted to an on-line adaptive learning course.

- Taught at Robert Stempel College of Public Health and Social Work from 2014-2019 (100% time)

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Management and Leadership in Public Health (3 credits): I taught the required MPH course for one semester. It was developed by Colleen Nolan. I redesigned this course as an on-line adaptive learning course.

- Taught at Robert Stempel College of Public Health and Social Work in 2018 (100% time)

Doctoral Student Professional Development Seminar for 1st Year Health Systems Research Doctoral Students (2 credits): I co-developed this hybrid course with Dr. Timothy Page. It was designed for in-coming doctoral students.

- Taught at Robert Stempel College of Public Health and Social Work in 2017-2018 (50% time)

Doctoral Professional Development Seminar for 2nd Year Health Systems Research

Doctoral Students (2 credits): I co-developed this hybrid course with Dr. Timothy Page. It was designed for in-coming doctoral students.

- Taught at Robert Stempel College of Public Health and Social Work in 2018 (50% time)

Doctoral Content Seminar in Health Systems Research (3 credits): I developed this hybrid course for all Health Systems Research doctoral students as a reading seminar to support their research proposal development.

- Teaching for the first time at Robert Stempel College of Public Health and Social Work in Fall 2019 (100% time)

Courses at the University of Texas

Society and Health (3 credits): Developed this course designed as an introduction to the field of society and health and social change.

- Taught at Rice University in 2003 (co-instructors Bridget Gorman, Katherine Donato and Al Tarlov 20%)
- Taught at University of Texas School of Public Health in 2004 and 2005 (sole teacher) and 2010-2012 (with David Gimeno -50%)

Social and Behavioral Aspects of Occupational and Environmental Health (3 credits): Co-developed this course with Trudy Krause designed as a core Behavioral Science course with specific content in occupational and environmental health.

- Taught at University of Texas School of Public Health in 2001 (co-instructor Trudy Krause who contributed 40%), 2002 (co-instructor Trudy Krause 40%), 2003 (sole teacher), 2005 (sole teacher)

Social Epidemiology (3 credits): Building on a course developed by Sally Vernon (Psychosocial Epidemiology), we developed a new advanced doctoral course focusing on social epidemiology

- Taught at the University of Texas School of Public Health in 2002 (co-lead instructor Sally Vernon 50%), 2003 (co-lead instructor Sally Vernon 50%), 2004 (co-lead instructor Sally Vernon 50%)

Work Organization Epidemiology I & II (3 credits each): Developed and taught a two semester course focused on the integration of psychosocial and physical (biomechanical) exposures in the workplace and the application of this knowledge to the design implementation, analysis and presentation of results of a work organization survey of faculty and staff at UTSPH.

- Taught at University of Texas School of Public Health in 2001 (sole teacher), 2003 (sole teacher)

Social Epidemiology/Social Justice (2 credits): Developed along with Stephen Linder a reading seminar examining the fields of social epidemiology and social justice and their intersection.

- Taught both semesters at the University of Texas School of Public Health in 2003 (co-lead instructor Stephen Linder 50%), 2004 (co-lead instructor Stephen Linder 50%), 2005 (co-lead instructor Stephen Linder 50%), 2006-2012 (co-lead instructor Stephen Linder 33% and David Gimeno 34%)

Research Design and Analysis I & II (4 credits each): Co-developed this course series with Pam Diamond (lead instructor for II) and Mark Williams designed as an advanced two semester doctoral course to provide students with the foundations for asking questions, designing studies to answer them and analysis.

- Taught at University of Texas School of Public Health in 2003& 2005 (co-instructor Benjamin C Amick III 25%); 2009-2010 (lead instructor for Research Design 1 with Mark Williams 50%); 2011 (sole instructor for Research Design 1 100%)

Social and Economic Determinants of Health (3 credits): Building on a course developed by David Low, Carl Hacker, John Ribble and Luisa Franzini, a new course was designed (Luisa Franzini as lead instructor) that became a core course in Management, Policy and Community Health focused on the social and economic determinants of health.

- Taught at the University of Texas School of Public Health in 2000 (Benjamin C Amick III 35%), 2001 (Benjamin C Amick III 35%), 2002 (Benjamin C Amick III 35%), 2003 (Benjamin C Amick III 35%).

Injury Prevention and Control (3 credits): Developed a course with Ralph Frankowski focused on concepts and methods of injury prevention and control

- Taught at the University of Texas School of Public Health in 2004 (co-lead instructor Ralph Frankowski 50%)

Applied Multilevel Modeling (3 credits): A course under development by Benjamin C Amick III and Ron Harrist designed for advanced doctoral students interested in learning how to conduct a multilevel analysis of data to produce a publishable paper.

- Taught continuously as independent studies with either Amick or Harrist from 2003 through 2005 (co-lead instructor Ron Harrist 50%)

Courses Designed and Taught at Other Universities

Introduction to Ergonomics and Industrial Hygiene (4 credits): At St. George's University, School of Medicine, Department of Public Health, co-developed and taught with Dr. M. Forde in 2001 (Benjamin C Amick III 50%)

Social and Behavioral Sciences (4 credits): At Tufts University, Medical School designed and taught (a required MD/MPH course) from 1995-1999 (sole teacher)

Lectures

At the University of Texas-Houston, School of Public Health, lecturer in:

- Occupational Epidemiology
- Introduction to Epidemiology
- Occupational Safety and Health Management
- Social and Behavioral Aspects of Community Health
- Health Policy, Society, and Population Health

At Rice University, lecturer in Advanced Topics in Biomedical Anthropology

At Harvard University, School of Public Health, lecturer in:

- Society and Health
- Social Epidemiology of CVD
- Social Inequalities and Health

At Yale University, School of Medicine, lecturer in Psychosocial Epidemiology

At Johns Hopkins University, School of Hygiene and Public Health, lecturer in Psychosocial and Behavioral Aspects of Work and Health

STUDENTS

Past Post-Doctoral Fellows

Carol Mansyur, Ph.D.

2009-2010	Primary Care Fellow Ruth L. Kirschstein National Research Service Award
2009-2011	Baylor Medical School Assistant Professor (Tenure-Track)
Current Position	Assistant Professor California State University -Sacramento

David Tolusso, Ph.D.

2008-2009	Post-Doctoral Fellow Institute for Work & Health
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Current Position Toronto, Canada
Actuarial Analyst
Economical Insurance Group
Waterloo, Ontario, Canada

David Gimeno, Ph.D.

2003-2006

Current Position

Fogarty International Scholars Post-doctoral Fellow
Associate Professor of Occupational Health (Tenured).
University of Texas School of Public Health, San Antonio, TX

Chloe Bird, Ph.D.

1993-1997

Current Position

Harvard Society and Health Program Post-Doctoral Fellow
Professor, Pardee Rand Graduate School
UCLA, Santa Monica, CA

Eunice Rodriguez, Sc.D.

1993-1997

Current Position

Harvard Society and Health Program Post-Doctoral Fellow
Associate Professor, Department of Pediatrics
Stanford Medical School

Elizabeth Goodman, M.D.

1993-1997

Current Position

Harvard Society and Health Program Post-Doctoral Fellow
Director MGH Center for Child and
Associate Chief Community-Based Research
Mass General Hospital

Xinhua “Steve” Ren, Ph.D.

1993-1997

Current Position

Harvard Society and Health Program Post-Doctoral Fellow
Health Research Scientist,
VA Center for Health Quality, Outcomes and Economic Research
Boston

Jenny Ruducha, Dr.P.H, R.N.

1993-1997

Current Position

Harvard Society and Health Program Post-Doctoral Fellow
Partner and Lead of Research and Evaluation,
Braintree Global Health

Current Doctoral Student Dissertation Advisor

Current Doctoral Student Committee Member

Kim McLeod, M.Sc.

Population and Public Health, University of British Columbia,
Canada

Past Doctoral Student Dissertation Advisor

Vaiva Gerasimavičiūtė, M.P.H., Ph.D.

2016 Graduation The Association between Episodes of Mental Disorders and Workplace Injuries among Employees in Public University Settings. Epidemiology (Minor in Biostats), University of Texas School of Public Health

Current Position Epidemiologist, Mental Health Department, Lithuania

Tim Read, Ms.Eng, Ph.D.

2017 Graduation A limited program evaluation of OSHA'S consultation services. Occupational and Environmental Health Sciences, University of Texas School of Public Health

Current Position Safety Engineer, University of Texas Medical Branch, Galveston

Gerardo Ortiz, Ms.C., Dr.P.H.

2014 Graduation Enablers and Barriers Perceived by Professional Firefighters in the Implementation of a Mandatory Physical Fitness Program. Occupational and Environmental Health Sciences, University of Texas School of Public Health

Current Position Inspector, US OSHA, Gainesville, FL

Amber Mitchell, M.P.H., Dr.P.H.

2013 Graduation Occupational Exposure to Bloods and Bodily Fluids: Implications for National Policy. Occupational and Environmental Health Sciences, University of Texas School of Public Health

Current Position President/Executive Director of International Safety Center, Apopka, FL

Cecilia Montano, M.S., Ph.D.

2013 Graduation A retrospective cohort study investigating the association between treated psychiatric disorders and occupational injury among a US occupational cohort, Division of Health Promotion/Behavioral Sciences, Minors in Epidemiology and Biostatistics, University of Texas School of Public Health, Houston, TX

Current Position Faculty Associate, Center for Health Promotion & Prevention Research, UTHHealth, School of Public Health, Houston, TX

Myriam Casillas, M.P.H., Dr.P.H.

2014 Graduation Understanding the Role and Responsibility of Leaders in Building a Culture of Health and Wellness in an Academic Setting and How It Shapes the Distribution of Presenteeism. Health Promotion/Behavioral Sciences, University of Texas School of Public Health, El Paso, TX

Current Position Managing Director at Texas Tech University Health Sciences Center, El Paso, TX

Leon Leach, M.A, M.B.A., Dr.P.H.

2012 Graduation	Academic Medical Centers: A Framework for Strategic Repositioning, Division of Management, Policy and Community Health, University of Texas School of Public Health
Current Position	Health Care and Financial Consulting, formerly Executive Vice President, M.D. Anderson Cancer Center, Houston, TX

Farah Ahmed, M.P.H., Ph.D.

2010 Graduation	Work-Related Asthma Among Dental and Radiography Professionals Division of Epidemiology, University of Texas School of Public Health
Current Position	Senior Health Officer, Kansas City Health Department, Kansas City, KS

Tonatiuh Barrientos, M.D., M.S., Ph.D.

2009 Graduation	Environmental Tobacco Smoke Exposure, Respiratory and Cardiovascular Health in Restaurant and Bar Workers in Mexico Division of Epidemiology, University of Texas School of Public Health
Current Position	Director, Epidemiology Unit, National Institute for Public Health, Mexico

Sandi Pruitt, M.P.H., Ph.D.

2008 Graduation	The Association of Area Socioeconomic Status and Cancer Screening: A Systematic Review and Multilevel Study Division of Health Promotion/Behavioral Sciences University of Texas School of Public Health
Current Position	Assistant Professor UT Southwestern Medical Center, Dallas, TX

Karen Calabro, M.P.H., Dr.P.H.

2007 Graduation	A Multilevel Study of the Organizational Determinants of Patient Assault Related Injuries in State Psychiatric Hospitals Division of Environmental and Occupational Health Sciences University of Texas School of Public Health
Current Position	Instructor, M.D. Anderson Cancer Center Houston, TX

Jessica Tullar, M.P.H., Ph.D.

2008 Graduation	An Epidemiologic Evaluation of a Worksite Based Intervention Division of Epidemiology University of Texas School of Public Health
Current Position	Faculty Associate, University of Texas School of Public Health

Debra Reynolds, M.P.H., M.S.W., Dr.P.H.

2008 Graduation	The Role of Workplace Absence as an Organizational Mechanism in Predicting Employee Alcohol and Drug Disorders.
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Division of Health Promotion/Behavioral Sciences
University of Texas School of Public Health
Current Position Retired – Former EAP Director, United Airlines, Houston, TX

Matt Shim, M.P.H, M.Sc., Ph.D.

2008 Graduation Retirement, Mortality and Self-Reported Health: An Application of Life Course Epidemiology. Division of Epidemiology, University of Texas School of Public Health
Current Position Public Health Administrator at Hawaii State Department of Health, Family Health Services Division

Cammie Chaumont Menendez, M.P.H., Ph.D.

2007 Graduation Determining Appropriate Measurement Methods for Etiological Research of Computing-Related Musculoskeletal Symptoms and Disorders, Division of Epidemiology, University of Texas School of Public Health
Current Position Research Scientist, National Institute for Occupational Safety and Health, Morgantown, WV

Shelley R. Brewer, M.A., Dr.PH. CSP

2007 Graduation Workplace Injury/Illness Prevention and Loss Control Programs: A Series of Systematic Reviews
Division of Environmental and Occupational Health Sciences
University of Texas School of Public Health
Current Position Safety Director, Tank Industry Consultants, Indianapolis, IN

Carol Mansyur, M.P.H., Ph.D.

2006 Graduation Culture and the Social Context of Health Inequalities
Division of Health Promotion/Behavioral Sciences
University of Texas School of Public Health
Current Position Associate Professor, Cal State University at Sacramento

Glenda Sue Iha, Dr.P.H, R.N.

2005 Graduation The Role of Organizational Policies and Practices in Predicting Post Surgical Change in Self-Efficacy and Accommodation Following Carpal Tunnel Release Surgery, Division of Environmental and Occupational Health Sciences, University of Texas School of Public Health
Current Position Director of Clinical Services, ExxonMobil Corporation, Houston TX

Damon Vidrine, Dr.P.H.

2002 Graduation Quality of Life and Functional Status in a Low-income, Multi-Ethnic HIV-positive Population, Division of Epidemiology, University of Texas School of Public Health

Current Position Professor, University of Oklahoma Health Sciences Center,
Sephenson Cancer Center

Dana Weinberg, Ph.D.

1999 Graduation Why are the Nurses Crying? Restructuring, Power and Control in
an American Hospital, Department of Sociology, Harvard
University

Current Position Professor, Department of Sociology, Queens College, CUNY,
NY.

Past Doctoral Student Dissertation Committee Member

Malgorzata Kolotylo-Kulkarni

Information Delivery, User Decision Approach, and Choice
Environment: Examining the Effectiveness of Non-Compensatory
and Customization-Based Online Decision Support
2019 Graduation Department of Information Technology and Decision Sciences
Florida International University

Heleen Dorland-Pel

2017 Graduation Sustainable Work Functioning Trajectories in Cancer Survivors
Department of Health Sciences, Section on Social Medicine,
University of Groningen Medical School, Netherlands.

Arturo Castellanos

Relevance is in the Eye of the Beholder: Design Principles for the
Extraction of Context-Aware Information
2016 Graduation Department of Information Technology and Decision Sciences
Florida International University

Marivel Davila, M.P.H., Ph.D.

2013 Graduation Division of Health Promotion and Behavioral Sciences, University
of Texas Health Science Center at Houston

Femke Abma, M.A., Ph. D. Work Functioning: Development and Validation of a Measurement
Tool

2012 Graduation Department of Health Sciences, Section on Social Medicine,
University of Groningen Medical School, Netherlands.

Jose Limardo, M.P.H., Dr.PH Occupational and Environmental Health, University of Texas
School of Public Health, Houston, Texas

Kenneth Tang, M.S.

Department of Clinical Epidemiology, Dalla Lana School of Public
Health, Toronto, Canada

Arlene Keddle, Ph.D.

2002 Graduation Parental Socioeconomic Status and Congenital Heart Defects
Division of Epidemiology, University of Texas School of Public
Health

V.K. Dorai	Impact of a modified dietary plan on the health-related quality of life of minority participants in the Women's Healthy Eating and Living (WHEL) Study.
2004 Graduation	Division of Management, Policy and Community Health University of Texas School of Public Health

Kyria S. Leite	Analysis of Dental Care in Hospital Emergency Rooms : Comparison of Two Approaches
2007 Graduation	Division of Management, Policy and Community Health University of Texas School of Public Health

External Reviewer on Doctoral Committees

Merete Labriola, Ph.D.	The Multiple Determinants of Sickness Absence in Return to Work
2005 Graduation	Department of Social Medicine, University of Copenhagen

Past Masters of Public Health Thesis Advisor

Farah Ahmed	Infant Feeding Practices and the Risk of Overweight and Obesity: Secondary Analysis of the North Carolina Breast Milk and Formula Project
2003 Graduation	International and Family Health Concentration University of Texas School of Public Health

Jessica Tullar	Direct Observation of the Computer Workplace Risk Factors of College Students
2003 Graduation	Occupational and Environmental Health Concentration University of Texas School of Public Health

Alyssa Molina	Socio-demographic Predictors of Mental Health in A Workers' Compensation Population
2004 Graduation	Epidemiology Concentration University of Texas School of Public Health

Alpna Agrawal	Psychosocial Work Stress and Meaning of Work Among Theater Artists
2005 Graduation	Occupational and Environmental Concentration University of Texas School of Public Health

Michael Smith	Spirituality and Finding Meaning in Healthcare Work
2005 Graduation	Occupational and Environmental Health Concentration University of Texas School of Public Health

Rachel Dobbs	Health Services Organization
2005 Graduation	

Charles Johnson	Cost Effectiveness Evaluation of the LBJ Hospital Ask Your Nurse Advice Line
2008 Graduation	Health Promotion Behavioral Sciences University of Texas School of Public Health
Sophia de Achaval	Determinants of Patients' Expectations About Total Knee Arthroplasty Outcomes
2009 Graduation	Epidemiology Concentration, University of Texas School of Public Health
Kristen Andrews	Validity of Using Item Response Theory to Analyze Data from the Work Limitations Questionnaire
2010 Graduation	Biostatistics Concentration, University of Texas School of Public Health
Raunak Khisty	Sacred Vocation Program Follow-Up Evaluation at the Baylor Healthcare System
2012 Graduation	Epidemiology Concentration, University of Texas School of Public Health
Haley Fox Amick	Evaluation of a Wellness Program at a Large Private Sector Petrochemical Company in Texas
2012 Graduation	Health Promotion Concentration, University of Texas School of Public Health

Past Masters of Public Health Advisor

Karla Crawford	Epidemiology
Karen Anderson	Occupational and Environmental Health
Nicole Diliglio	International and Family Health
Sartaj Sanghera	International and Family Health
Dianne Wells	Health Promotion Health Education
Filiz Seeborg	Epidemiology
Rudolph Hao Yen	Occupational and Environmental Health
Anushree Algotar	Epidemiology
Esther Akpa	International & Family Health

Past Masters of Public Health Advisor – Capstone

Anar Zaveria	Health Promotion & Behavioral Sciences
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Past Masters of Public Health Committee Member

Qasem Al-Salmi	Community Health Practice
2003 Graduation	

Rachel Blumenthal 2004 Graduation	Health Services Organization
Insirah Al-adli 2005 Graduation	Community Health Practice
Esther Soundar 2005 Graduation	Health Promotion Health Education
Gurpreet Sarao 2005 Graduation	Health Promotion Health Education
Jennifer Thompson 2006 Graduation	Occupational and Environmental Health
Megan Nykyforchyn 2007 Graduation	International and Family Health
Beth Allen 2007 graduation	Health Promotion Health Education
Zahra Asgari 2010 Graduation	Epidemiology
Alicia O’Gilbert 2010 Graduation	Community Health
Steve Halterman 2011 Graduation	Health Promotion
Algotar, Anushree M 2011 Graduation	Epidemiology
High School student mentorship	
Elizabeth Brito 2017	Business impact of Zika virus in midtown Miami
Mariaguadalupe Vilchez 2017	The economic impact of Zika virus on businesses in Wynwood, Miami

Katie Rose Ryan PhD

Personal Details

1611 Tarrytown Rd
Little Rock
AR 72227

Tel: 501-257-7872
Email: katieroseryan@hotmail.co.uk
Nationality: British

Education

2006 - 2010: PhD in Molecular Biology, University of Birmingham, UK

Title: Regulation of apoptosis and desmosomes by Rnd3
Supervisor: Dr Neil Hotchin
Funding: Biotechnology and Biological Sciences Research Council (BBSRC)

2003 - 2006: BSc (Hons) Biological Sciences, University of Birmingham, UK

Result: Upper Second Class

Research Experience and Skills

Experience:

June 2017-Now Research Associate at the Myeloma Centre in UAMS formally working with Dr Faith Davies on drug development of NIK and bromodomain inhibitors and their effectiveness on both multiple myeloma cell lines as well as patient derived cells with a large focus on the SCID/Rab animal model. Currently working under Dr Ricky Edmondson in the Myeloma Centre, continuing the development of NIK inhibitors in collaboration with Dr Hong-yu Li (UAMS) and developing REK/TRK and TK-1 inhibitors for non-small lung cancer in collaboration with Dr Brendan Frett (UAMS).

April 2015-April 2017 I was awarded a two-year Japan Society for the Promotion of Science (JSPS) Postdoctoral Fellowship at the University of Tokyo, Japan hosted in Professor Takashi Ushida's laboratory in the Bioengineering department. My work uses human keratinocytes to investigate the effects of mechanical stretch on cell-cell and cell-ECM adhesions to compile a profile of protein expression and localisation patterns following mechanical stretch.

December 2014-March 2015 Post-Doctoral Researcher at the National Institute of Health and Nutrition in Tokyo working with Professor Motohiko Miyachi, investigating the contribution of Wii Fit in field of health.

October 2011-June 2014 Career Development Fellow at the Medical Research Council Cell Biology Unit at University College London, UK working with Dr Stephen Nurrish, using *C. elegans* to identify novel regulators of Rho GTPases involved in synaptic function. Also investigating how RHO-1 signals upstream of the dopamine re-uptake transporter DAT-1 to regulate dopamine signalling regulate synaptic activity and control locomotion.

April 2011-September 2011 Research Associate working with Dr Margaret Ashcroft at University College London, UK on epithelial to mesenchymal transition regulated by Hunk.

March 2011 Post-Doctoral Research working with Professor Anne Ridley and Dr Jonathon Morris at King's College London, UK on a short project investigating how the phosphorylation state of Rnd3 effects cell morphology.

September 2006-December 2010 PhD with Dr Neil Hotchin at the University of Birmingham, UK working on the small Rho GTPase Rnd3 and the role it plays in regulating keratinocyte cell-cell adhesion to alter proliferation, differentiation and apoptosis.

Katie Rose Ryan PhD

2005 During my BSc degree I was awarded a summer scholarship from the Biochemical Society and worked with Professor Robert Insall at the University of Birmingham, UK on the regulation of actin assembly by SCAR/WAVE proteins.

Laboratory skills:

Cell culture	Mammalian cell culture
Molecular Biology	Isolation and purification of DNA and RNA, PCR amplification, site-directed mutagenesis, digestion, ligation, transformation, transfection (plasmid-DNA, siRNA and shRNA), microinjection of cells
Biochemistry	Immunoblotting, immunoprecipitation and mass spectrometry
Cell Imaging	Epifluorescence, confocal, phase-contrast, time-lapse, scanning and transmission electron microscopy
Assays	FACS, ELISA, subcellular fractionation, wound healing, colony-forming efficiency assays, viability assays and assay optimisation
Animal work	SCID/Rab mouse model, preparation and harvest of the model, subcutaneous injection of tumor cells, administration of drugs, anaesthesia and euthanasia.
<i>C. elegans</i> specific	Culturing strains, genotyping, phenotypic-dependent genetic mutational screens, microinjection to establish transgenic animals, pharmacological assays.
Informatics	Experienced with using Prism, ImageJ, Matlab and ApE, I am also familiar with programming languages such as R and Python.

Collaboration/Teamwork/Other skills:

I am very enthusiastic and capable of working both individually and in a team. I enjoy collaborations, especially with people in different fields of expertise. I have had the opportunity to work on a number of different projects, for example, I worked with Dr Andrew Creese using Mass Spectrometry to identify novel interactors of Rnd3 at the University of Birmingham and I have also worked to develop Adaptive Optics in *C. elegans* with Dr Mike Shaw at the National Physical Laboratory London.

Good oral presentation skills and record keeping.

Conferences:

17 th International Myeloma Workshop	Poster - Boston US 2019
JSME 29 th Bioengineering conference	Talk - Nagoya Japan 2017
Genetics Society 19 th International <i>C. elegans</i> meeting	Poster - Los Angeles US 2013
EMBO <i>C. elegans</i> Neurobiology	Poster - Heidelberg Germany 2012
SEB Cell Symposium	Poster - Durham UK 2009
UK Actin Meeting	Poster - Bristol UK 2009
ASCB	Poster - San Francisco US 2008
ELSO	Poster - Nice France 2008
UK Actin Meeting	Poster - Bristol UK 2007
Genes in Cancer	Poster - Warwick UK 2007
UK Actin Meeting	Poster - Bristol UK 2006

Teaching:

I have supervised many undergraduate, MSc and PhD students. I have also helped run undergraduate practicals, exam invigilation and marking both practical scripts and oral

Katie Rose Ryan PhD

presentations. I was a lecturer for the JSPS Science Dialogue scheme, my role was to visit Japanese high schools to promote science and international studies usually by giving two-hour interactive lectures to the students.

Grants, Prizes and Accolades

2015-2017 Awarded a two-year Japanese Society for the Promotion of Science (JSPS) Postdoctoral

Fellowship for Overseas Researchers, which included research funding (1,200,000 yen (~\$11,000) lab expenses and salary 4,344,000 yen (~\$40,000) (tax-exempt) per year ID# P15104).

2006-2010 Awarded a four-year PhD funded by Biotechnology and Biological Sciences Research Council (BBSRC) with conference travel money.

2005 Awarded a two-month summer scholarship from the Biochemical Society, which included lab fees and a maintenance allowance.

Pending Grant support

DOD LC190601

Frett (PI)

2 years – Provisional Start Date July 2020

Department of Defence Lung Cancer, Career Development Award

Simultaneous TNF- α and TGF- β Impairment to Limit Post Radiotherapy Pulmonary Fibrosis

The goal is to investigate the influence of TNF- α and TGF- β as actionable, complementary profibrotic cytokines on enabling development and progression of radiation-induced lung fibrosis

Role: Co-I

COBRE P20GM109005

Frett (PI)

5 years – Provisional Start Date August 2020

COBRE Center for Studies of Host Response to Cancer Therapy

Concurrent TNF- α and TGF- β Impairment to Limit Radiotherapy- Induced Pulmonary Fibrosis

The goal is to identify whether simultaneous blockade of TNF- α and TGF- β pathways with Tk-1, a novel dual anti-cytokine recently developed in our laboratory, will mitigate the effects of radiation-induced lung fibrosis

Role: Key personnel

Publications

Targeting both BET and CBP/EP300 proteins with the novel dual inhibitors NEO2734 and NEO1132 leads to anti-tumor activity in Multiple Myeloma.

Ryan KR, Giles F, Morgan GA Paper in preparation

SMI1 inhibition of NIK and the alternative NF- κ B pathway in Multiple Myeloma.

Ryan KR Paper in preparation

Novel inhibitor for the Alternative NF- κ B pathway.

Ryan KR, Lei J, Lakkaniga RN, Yan W, Frett B, Lee HY Paper in preparation

Dual inhibition of RET and TRK in non-small cell lung cancer.

Ryan KR, Saha D, Frett B Paper in preparation

Microhomology-mediated end joining drives complex rearrangements and over expression of MYC and PVT1 in multiple myeloma.

Katie Rose Ryan PhD

Aneta Mikulasova, Cody Ashby, Ruslana G Tytarenko, Pingping Qu, Adam Rosenthal, Judith A Dent, **Katie R Ryan**, Michael A Bauer, Christopher P Wardell, Antje Hoering, Konstantinos Mavrommatis, Matthew Trotter, Shayu Deshpande, Erming Tian, Jonathan Keats, Daniel Auclair, Graham H Jackson, Faith E Davies, Anjan Thakurta, Gareth J Morgan, Brian A Walker. *Heamatol.* 2019 June 20: 2019.217927

Activaion of RHO-1 in Cholinergic motor neurons competes with dopamine signalling to control locomotion.

Essman C*, **Ryan KR***, Elmi M, Byron-Dodd K, Porter A, Vaughan A, McMullan R & Nurrish S. *PLOS One.* 2018 Sep 21;13(9):e0204057

The contribution of the Wii fit series in the field of health: a systematic review and meta-analysis. Tripette J, Murakami H, **Ryan KR**, Ohta Y, Miyachi M. *PeerJ.* 2017 Sep 5:5:e3600.

Cellular traction forces increase during consecutive mechanical stretching following traction force attenuation.

Tsukamoto A, **Ryan KR**, Mitsuoka Y, Furukawa KS, Ushida T. *JBSE* 2017 Mar. 17-00118

Inference of Low and High-Grade Glioma Gene Regulatory Networks Delineates the Role of Rnd3 in Establishing Multiple Hallmarks of Cancer.

Clarke K, Daubon T, Turan N, Soulet F, Zahari MM, **Ryan KR**, Durant S, He S, Herbert J, Ankers J, Heath JK, Bjerkvig R, Bicknell R, Hotchin NA, Bikfalvi A, Falciani F. *PLOS Genetics* 2015 Jul 1;11(7):e1005325

Plakoglobin-dependent regulation of keratinocyte apoptosis by Rnd3.

Ryan KR, Lock FE, Heath JK & Hotchin J *Cell Sci.* 2012 Jul 1;125(Pt 13):3202-9.

Differential regulation of adhesion complex turnover by ROCK1 and ROCK2.

Lock FE, **Ryan KR**, Poulter NS, Parsons M and Hotchin NA. *PLOS One.* 2012;7(2):e31423.

References

Dr Faith Davies
NYU Grossmann School of Medicine
550 First Avenue
NewYork
NY 10016
United States
Faith.davies@nyulangone.org

Professor Takashi Ushida
Department of Bioengineering
University of Tokyo
7-3-1 Hongo, Bunkyo-ku
Tokyo113-8656
Japan
ushida@mech.t.u-tokyo.ac.jp

CURRICULUM VITA

Highlighted Experience:

- An average of 2-3 active NIH grants each year as a Co-PI, Co-I and statistician since 2006.
 - A total of 121 peer-reviewed publications, with a total of 4,508 citations, a h-index of 33 and an i10-index of 85.
 - Currently a leading statistician and member of BERD of Cincinnati's CCTST.
 - Experience in serving as a leading statistician in a methodology core in P30 and P60 grants.
 - Experience in serving as an in-house statistician in several UC institutions including College of Nursing, Internal Medicine, Radiology, and Drake Hospital.
 - Experience in serving as the Director of Center for Biostatistical Services of Department of Environmental Health, UC College of Medicine.
 - Experience in serving as the Director of Public Health Program of Department of Environmental Health, UC College of Medicine.
-

I. NAME AND PERSONAL DATA (including current home address)

Jun Ying, PhD

Office Address:

Department of Environmental Health
University of Cincinnati College of Medicine
Kettering Lab Room 101
160 Panzeca Way
Cincinnati OH 45267-0056
TEL: 513-558-2767
EMAIL: yingj@uc.edu

II. EDUCATION:

- PhD in Statistics, University of Connecticut, 2002
- MA in Statistics, University of Connecticut, 2002
- MA in Economics, University of Connecticut, 2002
- MA in World Economy, Institute of World Economy, Fudan University, 1989
- BA in World Economy, Department of World Economy, Fudan University, 1986

III. ACADEMIC AND OTHER APPOINTMENT:

- Director, Division of Public Health, Department of Environmental Health, University of Cincinnati College of Medicine, July 2017 – June 2019
- Director, MPH Program, Department of Environmental Health, University of Cincinnati College of Medicine, June 2014 – June 2019
- Director, Center for Biostatistics Services, Department of Environmental Health, University of Cincinnati College of Medicine, January 2014 – February 2018
- Professor, Department of Environmental Health, University of Cincinnati College of Medicine, September 2016 – Present
- Associate Professor, Department of Environmental Health, University of Cincinnati College of Medicine, March 2014 – August 2016
- Research Associate Professor, Department of Environmental Health, University of Cincinnati College of Medicine, Sept 2011 – Feb 2014
- Research Associate Professor, Department of Public Health Sciences, University of Cincinnati College of Medicine, Sept 2009 - Aug 2011
- Research Assistant Professor, Department of Public Health Sciences, University of Cincinnati College of Medicine, Sept 2008 - Aug 2009

- Research Assistant Professor, Department of Internal Medicine, University of Cincinnati College of Medicine, Mar 2006 - Aug 2008
- Research Scientist, Institute for the Study of Health, University of Cincinnati, Mar 2006 - Aug 2008
- Assistant Professor, Department of Medicine, Division of Biostatistics, Indiana University School of Medicine, Sept 2002 - Feb 2006
- Adjunct Assistant Professor, Department of Radiology, Indiana University School of Medicine, Sept 2002 - Feb 2006
- Teaching Assistant, Department of Statistics, University of Connecticut, Storrs, CT, Feb 1997 - Aug 2002
- Research Fellow, Albert Einstein College of Medicine, Yeshiva University, Bronx, NY, May 1996 - Aug 2002
- Student Supervisor, Homer Babbidge Library, University of Connecticut, Storrs, CT, Feb 1997 - Aug 1997
- Teaching Assistant, Department of Economics, University of Connecticut, Storrs, CT, Sept 1994 - Aug 1997
- Lecturer, Department of International Trade and Economics, Shanghai International Studies University, Shanghai, China, Sept 1989 - Feb 1994

IV. AWARDS AND HONORS:

- 1999 Statistics Award for Excellent Performance in the Theory of Statistics, University of Connecticut.
- 2001 Summer Fellowship for Graduate Students, University of Connecticut.
- 2002 Doctoral Student Travel Awards, University of Connecticut.
- 2002 SBSS Student Travel Award to Attend the Joint Statistical Meetings.
- 2002 Doctoral Dissertation Fellowships, University of Connecticut.
- 2015 Director's Award of Teaching Excellence, DEH, UCCOM

V. MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS:

- Member, American Statistical Association (ASA), 1997 – present
- Member, Institute of Mathematical Statistics (IMS), 1997 – present
- Member, Chinese Students and Scholars Association (CSSA), 1997 – 2002
- Member, American Public Health Association (APHA), 2007 – present

VI. SERVICE:

1. UC Activities:
 - Graduate Council, Graduate School, University of Cincinnati, August 2016 – June 2019
 - Committee on Graduate Education, College of Medicine, University of Cincinnati, August 2014 – June 2019
 - Admissions Committee, College of Medicine, University of Cincinnati, August 2019 – present
 - Center for Continuous Professional Development Advisory Committee, College of Medicine, University of Cincinnati, July 2019 – present
 - Biostatistics, Epidemiology Research and Development (BERD), CCTST, University of Cincinnati, Sept 2014 – present
 - APRT Committee, College of Medicine, University of Cincinnati, Sept 2018 – present
 - APRT Committee, Department of Environmental Health, University of Cincinnati, Sept 2011 – Sept 2018
 - Faculty Senate Academic Affairs Committee, University of Cincinnati, Oct 2008-June 2012.
 - Faculty Senate All-University Governance Committee on International Affairs, University of Cincinnati, Oct 2008-June 2012.

- Faculty Senate Research and Scholarship Committee, University of Cincinnati, Sept 2011-present.
 - Faculty Forum Executive Committee, University of Cincinnati, Sept 2007 - Aug 2009
2. Professional Activities:
 - Reviewer and temporary member of VA HSR&D Scientific Merit Review Board, Aug 2009 – Present.
 - Reviewer and temporary member of VA NEPH Scientific Merit Review Board, April 2014
 - Susan Komen reviewer, 2014-2017
 - Reviewer for NIH BCHI, April 2014.
 - Reviewer for PCORI, 2012-2014.
 3. National/International Distinguished Activities:
 - ASPPH (associations of schools & programs of public health) Data committee, 2014-present.
 - ASPPH (associations of schools & programs of public health) Research committee, 2014-present.
 4. Community Activities:
 - Cincinnati Center for Closing Health Gap Board of Directors (Chair), 2018-present.
 - Cincinnati Center for Closing Health Gap Board of Directors (member), 2016-2018.
 - Wright State University MPH Program Advisory Board 2014-present (Member, review and approval program semiannual reports).

VII. TEACHING:

- PH/BE7010, Biostatistics for Public Health
 - Students: Graduate students
 - Credit Hours: 3
 - Frequency: Spring semester, Summer term
 - Duration: Spring since 2008, Summer since 2013
- PH/BE7088, Regression Analyses
 - Students: Graduate students
 - Credit Hours: 3
 - Frequency: Spring semester
 - Duration: Since 2014
- PH/BE7011, Statistical Computation and Software
 - Students: Graduate students
 - Credit Hours: 1
 - Frequency: Fall semester, Summer term
 - Duration: Fall since 2015, Summer since 2016
- PH/BE7089, Experiment Design (co-instructor)
 - Students: Graduate students
 - Credit Hours: 3
 - Frequency: Fall semester
 - Duration: Only 2014
- PH/BE8069 Study Design and Analysis
 - Students: Graduate students
 - Credit Hours: 2
 - Frequency: Fall semester

- Duration: Since 2019
- PH8090, PH8093, PH8095-8099 Practicum/CE (Director)
 - Students: Graduate students
 - Credit Hours: 3 (for each course code)
 - Frequency: Fall, Spring and Summer
 - Duration: Fall 2014 – Spring 2016
- PH8090, PH8093, PH8095-8099 Practicum/CE (Co-Director)
 - Students: Graduate students
 - Credit Hours: 3 (for each course code)
 - Frequency: Fall, Spring and Summer
 - Duration: Summer 2016, Summer 2018, Summer 2019

VIII. GRANTS AND CONTRACTS

VII.1. Funded Grants (Total Efforts 40.5%FTE or 4.86 Calendar Months):

- 1R01ES02407401
 Title: Early Pb exposure a risk for bone health later in life in African American women.
 PI: Amit Bhattacharya, PhD,
 Agency: UC DEH.
 Duration: 04/01/2014 - 03/31/2020.
 Total Funding: \$2,926,819.
 Role: Statistician/COI.
 Efforts: 15%.
 Abstract:
 The study is proposed to form the basis for our long term core hypothesis: "early life exposure to Pb detrimentally affects bone health as characterized by bone mass, macrostructure of the skeleton, and CBAM's structural integrity ability to sustain dynamic load, as well as postural stability/balance thereby predisposing the subjects to increased fracture risk later in life". The aims of the study are: Specific Aim1: Measure BPb levels in the target organ of interest (tibia) in all subjects using 109Cd K XRF systems, and history of fracture during the past 12 months. Specific Aim2: Determine the relationship between average childhood PbB exposure levels and BPb. Specific Aim3: Measure (a) Damping (ζ) of the CBAM system at tibia and spine (b) aBMD of spine and hip and (c) compartment specific vBMD and geometry based parameters of load bearing bone (tibia), (d) FPS and (e) vitamin D status. Specific Aim4: Determine the relationships between exposure outcomes (BPb and PbB) and measures of bone structural integrity (BSI: ζ , aBMD and vBMD) & functional postural stability (FPS) after controlling for cofactors.
- 2R01DC00943506
 Title: The Relationships between Vortices, Acoustics, and Vibration in Vocal Fold Asymmetries.
 PI: Khosla, Sid, MD.
 Agency: UC COM.
 Duration: 03/19/2015 -02/28/2020.
 Total Funding: \$513,803.00.
 Role: Statistician/Collaborator.
 Efforts: 10%
 Abstract:
 The study is to hypothesize a better understanding of these vortices, and their effect on flow rate and acoustics, will open up a new paradigm to evaluate and design new surgical interventions for unilateral paralysis and other conditions featuring structural asymmetries. The specific aims are: Specific Aim 1. Using a combination of

computational and excised canine larynx models, characterize the effects of vocal tract inertance, intraglottal vortices and tissue elasticity on the medial surface dynamics of the folds, volumetric flow rate at the glottal exit, and acoustics. Specific Aim 2. Volumetric flow rate will be measured directly at the glottal exit using volumetric particle imaging velocimetry and indirectly at the mouth using inverse filtering in an excised canine larynx model with a mechanical vocal tract.

- 1UL1TR001425-01

Title: CINCINNATI CENTER FOR CLINICAL AND TRANSLATIONAL SCIENCES AND TRAINING.

PI: HEUBI, JAMES E., MD and Joel Tsevat, MD.

Agency: CCHMC and UC COM.

Duration: 14-AUG-2015 to 31-MAR-2020.

Total Funding: \$3,187,599.

Role: Statistician/BERD.

Efforts: 20%

Abstract:

The vision of the Center for Clinical and Translational Science and Training (CCTST) at the University of Cincinnati is to be the Greater Cincinnati portal of entry for support of clinical and translational research with a goal to enfranchise stakeholders from a broad base to integrate research into healthcare delivery, improve community wellness, foster effective, efficient multisite trials, and train the clinical and translational research workforce of the future. We will realize this vision through three aims: (1) Empower stakeholders in the process of integrating research with healthcare practice and community wellness, (2) Create the workforce of the future, and (3) Optimize efficiency and effectiveness of clinical research.

- 5K25DC014755-03

Title: RESONANCE AND AEROACOUSTIC RELATIONSHIP IN VELOPHARYNGEAL INSUFFICIENCY

PI: OREN, LIRAN, PhD

Agency: UC COM.

Duration: 05/01/2016 - 04/30/2021.

Direct Costs: \$184,429.

Role: Mentor.

Efforts: 0%.

Abstract:

- 1K01DA044313-01

Title: REDUCING SECONDHAND SMOKE EXPOSURE AMONG PEDIATRIC PATIENTS IN THE EMERGENCY DEPARTMENT SETTING

PI: MERIANOS, ASHLEY L, PhD

Agency: UC CECH

Duration: 08/15/2017 - 04/31/2022.

Direct Costs: \$149,095.

Role: Mentor.

Efforts: 0%.

Abstract:

The specific aims of this project are: 1) To determine the contribution that child SHSe has on healthcare utilization and related costs in SHS exposed children who present to the PED compared with unexposed children; 2) To select one of two existing, evidence based SHSe reduction interventions, and identify ways to adapt and successfully implement the intervention in the PED setting by conducting focused interviews with physicians, nurses, social workers, and healthcare administrators; and 3) To develop an

implementation plan and corresponding manual of procedures for use in a future R01 SHSe reduction intervention that will be adapted for the PED setting.

- 1R03HD094236-01A1
Title: Headaches and Migraines: Pubertal Parameter and Hormone Predictors in Adolescent Girls
PI: PINNEY, SUSAN, PhD
09/01/2017 - 08/31/2020
Total Cost: \$170,559.75
Role: Co-I/Statistician.
Efforts: 3%.
Abstract:
We propose to use the multiple research resources of this cohort to address the following Aims: Aim 1: Using previously collected data from a large cohort of adolescent girls, establish the prevalence of severe headaches and migraine among 761 girls at age 12 – 16 years by demographic, anthropometric, and behavioral characteristics and determine if severe headaches and migraine are associated with age at pubertal parameters, such as age at thelarche, pubarche, menarche, age at peak height velocity and peak height velocity. Aim 2: In a subset of the cohort (N=220) with both headache and migraine data and repeated measurements of serum hormone concentrations at various time points during pubertal development, determine if levels of estradiol (E2), androstendione (DHEAS), estrone (E1) and testosterone (T) are associated with later headaches and migraine. We hypothesize that migraine headache will be associated with earlier age at thelarche, pubarche, menarche, peak height velocity and greater peak height.
- 1R03HS025844-01A1
Title: DEVELOPMENT OF AN EDUCATION INTERVENTION FOR TRIAGE INTERRUPTION MANAGEMENT
PI: JOHNSON, KIMBERLY D, PhD
Duration: 1-SEP-2018- 31-AUG-2020
Total Cost: \$44,661
Role: Co-I/Statistician.
Efforts: 1%
Abstract:
In this proposal we will conduct an Online Modified Delphi (OMD) group of 12 triage and operational experts to identify the competencies required to effectively mitigate the impact of triage interruptions. Once competencies are established by the ODM group, the research team along with the ED nurse educator and director will develop an educational intervention and simulation scenarios to mimic common triage interruption experiences.

VII.2. Completed Grants:

- 5U01AR06716603
Title: Optimization of Outcome Measures For Clinical Trials in Children with Lupus
PI: BRUNNER, HERMINE I, MD
Agency: NIH.
Duration: September 1, 2014 to August 31, 2018.
Role: Co-Investigator/Biostatistician
Efforts: 2.5%
- 1P50DK096418-01 (PI: DEVARAJAN, PRASAD, MD) 09/21/2012 – 09/21/2017
CRITICAL TRANSLATIONAL STUDIES IN PEDIATRIC NEPHROLOGY

Statistician/CO PI of Project 1.
Efforts: 15%

- 1U01AR065098-01 (PI: BRUNNER, HERMINE I, MD) 07/26/2013 to 06/30/2016
Innovative Efficacy Measures of Lupus Nephritis Therapies
Co-Investigator/Biostatistician
Efforts: 10%
- U01 AR067166-01 (PI: BRUNNER, HERMINE I, MD) 9/1/2014 – 8/31/2016
Optimization of Outcome Measures For Clinical Trials in Children with Lupus
Co-Investigator/Biostatistician
Efforts: 10%
- 5P60AR047784-08 (PI: LOVELL, DANIEL JOE, MD) 04/01/2008 – 03/31/2013
CINCINNATI MULTIDISCIPLINARY CLINICAL RESEARCH CENTER
Statistician
Efforts: 15%
- 5R01DC009435-02 (PI: KHOSLA, SIDDARTH MITTER, MD) 09/18/2009 – 08/31/2014
THE RELATIONSHIP BETWEEN VORTICES, ACOUSTICS, AND VIBRATION IN
VOCAL FOLD ASSYMET
Statistician
Efforts: 10%
- 1U01AR059509-01 (PI: BRUNNER, HERMINE, MD) 08/8/2010 – 05/31/2013
TOWARDS MEASURES OF LUPUS NEPHRITIS ACTIVITY & DAMAGE FOR
CHILDREN
Biostatistician
Efforts: 10%
- LUPUS FOUNDATION OF AMERICA (PI: BRUNNER, HERMINE, MD) 10/1/2011 -
9/30/2012
VALIDATION OF PROMIS MODULES FOR USE IN PEDIATRIC LUPUS
Biostatistician
Efforts: 5%
- 5U01AR055054-03 (PI: BRUNNER, HERMINE, MD) 08/8/2010 – 05/31/2012
EFFICACY MEASURES FOR PEDIATRIC LUPUS STUDIES
Biostatistician
Efforts: 10%
- 5R01NS058698-05 (PI: PIRKO, ISTVAN, MD) 04/01/2008 – 03/31/2012
CD8+ T CELLS IN FORMATION OF T1 BLACK HOLES IN ANIMAL MODEL OF
MULTIPLE SCLEROSIS
Statistician
Efforts: 10%
- 2R01HL065915-06A2 (PI: Hui, David, PhD) 07/19/2006 – 06/30/2011
Lipogenesis & Lipoprotein Complications of HIV Therapy – Biostatistician
Efforts: 10%
- P01 DK043881-10A1 (PI: Evan, Andrew, PhD)*
Strategies for Improved Shock Wave Lithotripsy
Co-investigator and leader of Biostatistics Core

Efforts: 25%

- RSGPB-05-012-01-CPP (PI: Fife, Betsy, PhD)*
Adaptation of Families to Bone Marrow Transplant
Co-investigator and Biostatistician
Efforts: 10%
- R01CA108620-01 (PI: DeGrado, Timothy, PhD)*
Choline Tracers for Imaging of Cancer
Co-investigator and Biostatistician
Efforts: 10%
- 2R01NS036524-07A1 (PI: Navia, Bradford, PhD)*
In vivo proton MRS studies: cerebral injury in HIV infection
Biostatistician
Efforts: 10%
- 5R01EB005964-02 (PI: Bansal, Navin, PhD)*
Monitoring Hepatitis and Cirrhosis by ²³Na MRS/MRI
Co-investigator and Biostatistician
Efforts: 5%

*Indiana University School of Medicine

IX. OTHER EXPERIENCE:

- College of Nursing (2013-2018)
Role: Statistician
Efforts: 20%
- College of Medicine, Department of Internal Medicine, Division of Hematology Oncology (2006-2014)
Role: Statistician
Efforts: 10%
- Drake Hospital (2006-2011)
Role: Statistician
Efforts: 5-10%
- College of Medicine Department of Radiology (2006-2013)
Role: Statistician
Efforts: 7-8%
- College of Medicine, Department of Internal Medicine (2006-2010)
Role: Statistician
Efforts: 10%

X. PUBLICATIONS (Total=121):

1. Brunner HI, Holland MJ, Beresford MW, Ardoin SP, Appenzeller S, Silva CA, Flores F, Goilav B, Avar Aydin PO, Wenderfer SE, Levy DM, Ravelli A, Khubchandani R, Avcin T, Klein-Gitelman MS, Ruperto N, Feldman BM, Ying J. [American College of Rheumatology Provisional Criteria for Clinically Relevant Improvement in Children and Adolescents With Childhood-Onset Systemic Lupus Erythematosus](#). *Arthritis Care Res (Hoboken)*. 2019 May;71(5):579-590. doi: 10.1002/acr.23834. PubMed PMID: 30680946; PubMed Central PMCID: PMC6483875.

2. Farra S, Hodgson E, Miller ET, Timm N, Brady W, Gneuhs M, Ying J, Hausfeld J, Cosgrove E, Simon A, Bottomley M. [Effects of Virtual Reality Simulation on Worker Emergency Evacuation of Neonates](#). *Disaster Med Public Health Prep*. 2019 Apr;13(2):301-308. doi: 10.1017/dmp.2018.58. Epub 2018 Oct 8. PubMed PMID: 30293544.
3. Holland MJ, Beresford MW, Feldman BM, Huggins J, Norambuena X, Silva CA, Susic G, Sztajn bok F, Uziel Y, Appenzeller S, Ardoin SP, Avcin T, Flores F, Goilav B, Khubchandani R, Klein-Gitelman M, Levy D, Ravelli A, Wenderfer SE, Ying J, Ruperto N, Brunner HI. [Measuring Disease Damage and Its Severity in Childhood-Onset Systemic Lupus Erythematosus](#). *Arthritis Care Res (Hoboken)*. 2018 Nov;70(11):1621-1629. doi: 10.1002/acr.23531. PubMed PMID: 29409150.
4. Abzug JM, Mehlman CT, Ying J. [Assessment of Current Epidemiology and Risk Factors Surrounding Brachial Plexus Birth Palsy](#). *J Hand Surg Am*. 2018 Sep 25;. doi: 10.1016/j.jhsa.2018.07.020. [Epub ahead of print] PubMed PMID: 30266479.
5. Cheong A, Johnson SA, Howald EC, Eilersieck MR, Camacho L, Lewis SM, Vanlandingham MM, Ying J, Ho SM, Rosenfeld CS. [Gene expression and DNA methylation changes in the hypothalamus and hippocampus of adult rats developmentally exposed to bisphenol A or ethinyl estradiol: a CLARITY-BPA consortium study](#). *Epigenetics*.2018;13(7):704-720. doi: 10.1080/15592294.2018.1497388. Epub 2018 Aug 15. PubMed PMID: 30001178; PubMed Central PMCID: PMC6224219.
6. Galea S, Branas CC, Flescher A, Formica MK, Hennig N, Liller KD, Madanat HN, Park A, Rosenthal JE, Ying J. [Priorities in Recovering From a Lost Generation of Firearms Research](#). *Am J Public Health*. 2018 Jul;108(7):858-860. doi: 10.2105/AJPH.2018.304436. PubMed PMID: 29874487; PubMed Central PMCID: PMC5993412.
7. Brunner HI, Holland M, Beresford MW, Ardoin SP, Appenzeller S, Silva CA, Flores F, Goilav B, Wenderfer SE, Levy DM, Ravelli A, Khunchandani R, Avcin T, Klein-Gitelman MS, Feldman BM, Ruperto N, Ying J. [American College of Rheumatology Provisional Criteria for Global Flares in Childhood-Onset Systemic Lupus Erythematosus](#). *Arthritis Care Res (Hoboken)*. 2018 Jun;70(6):813-822. doi: 10.1002/acr.23557. Epub 2018 Apr 25. PubMed PMID: 29693328; PubMed Central PMCID: PMC5980747.
8. Leung YK, Ouyang B, Niu L, Xie C, Ying J, Medvedovic M, Chen A, Weihe P, Valvi D, Grandjean P, Ho SM. [Identification of sex-specific DNA methylation changes driven by specific chemicals in cord blood in a Faroese birth cohort](#). *Epigenetics*.2018;13(3):290-300. doi: 10.1080/15592294.2018.1445901. Epub 2018 May 16. PubMed PMID: 29560787; PubMed Central PMCID: PMC5997167.
9. Bennett MR, Ma Q, Ying J, Devarajan P, Brunner H. [Effects of age and gender on reference levels of biomarkers comprising the pediatric Renal Activity Index for Lupus Nephritis \(p-RAIL\)](#). *Pediatr Rheumatol Online J*. 2017 Oct 13;15(1):74. doi: 10.1186/s12969-017-0202-0. PubMed PMID: 29029629; PubMed Central PMCID: PMC5640910.
10. Oni L, Beresford MW, Witte D, Chatzitoli os A, Sebire N, Abulaban K, Shukla R, Ying J, Brunner HI. [Inter-observer variability of the histological classification of lupus glomerulonephritis in children](#). *Lupus*. 2017 Oct;26(11):1205-1211. doi: 10.1177/0961203317706558. Epub 2017 May 7. PubMed PMID: 28478696.
11. Brunner HI, Bennett MR, Gulati G, Abulaban K, Klein-Gitelman MS, Ardoin SP, Tucker LB, Rouster-Stevens KA, Witte D, Ying J, Devarajan P. [Urine Biomarkers to Predict Response to Lupus Nephritis Therapy in Children and Young Adults](#). *J Rheumatol*. 2017 Aug;44(8):1239-1248. doi: 10.3899/jrheum.161128. Epub 2017 Jun 15. PubMed PMID: 28620062; NIHMSID:NIHMS981949.
12. Leung YK, Govindarajah V, Cheong A, Veevers J, Song D, Gear R, Zhu X, Ying J, Kendler A, Medvedovic M, Belcher S, Ho SM. [Gestational high-fat diet and bisphenol A exposure heightens mammary cancer risk](#). *Endocr Relat Cancer*. 2017 Jul;24(7):365-

378. doi: 10.1530/ERC-17-0006. Epub 2017 May 9. PubMed PMID: 28487351; PubMed Central PMCID: PMC5488396.
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X. BOOKS:

1. Szaflarski, M, and Ying, J. Poverty and Health: A Comparison of Immigrant and US-Native Children, Child Poverty in America Today (Volume 4). 2007, *Greenwood Publishing Group*.
2. Chen C, Li G, and Ying J. Foreign Trade: Countries in South Pacific Ocean, *Fudan University Press*: Shanghai, China, 1993, ISBN7-309-01146-5.

Jesus Delgado-Calle, Ph.D.

Indiana University School of Medicine
 Department of Medicine, Division of Hematology/Oncology
 Department of Anatomy, Cell Biology & Physiology
 Indiana Center for Musculoskeletal Health
 980 W. Walnut Street, R3 C310, Indianapolis, IN 46202
 Office: 317-278-7705 Cell: 317-371-4115
jedelgad@iupui.edu (work)
jesusdelgadocalle@gmail.com (personal)

Research interests

My research focuses on understanding the mechanisms by which myeloma cells alter the biology of other cells in the tumor/bone marrow microenvironment, in particular osteocytes, with the final goal of identifying targetable factors for the treatment of multiple myeloma (MM). I am a cellular and molecular biologist who has studied bone since my graduate studies in Spain, where I demonstrated the role of epigenetic modifications that involve DNA methylation in the transcriptional regulation of the osteocyte-derived factor Sclerostin, and the contribution of epigenetic marks to the pathophysiology of common skeletal diseases. I continued my research on osteocytes during my postdoctoral studies in the US, where I established a new line of research investigating the role of osteocytes in cancer-induced bone disease. My expertise is on osteocyte biology and pathophysiology, with experience in *ex vivo* and *in vitro* models to study osteocyte-tumor biology, and characterization of tumor growth and bone remodeling in animal models of multiple myeloma-induced bone disease using genetic and pharmacologic approaches. Current projects in my laboratory investigate the effects of osteocyte-derived factors (i.e. Sclerostin) and Notch signaling communication in the tumor niche on MM growth, disease relapse, and bone disease. I also maintain an international collaboration with PharmaMar (Spain) to test the effects of Aplidin, a novel anti-tumor drug, on bone cells and MM growth. Moreover, I collaborate in studies examining the role of osteocytes in cancer-induced bone pain and muscle weakness. Other projects in my laboratory investigate the role of osteocytes in the crosstalk between bone and distant tissues (pancreas and peripheral fat).

Education

2001-2006	University of the Basque Country, Spain. BS biochemistry.
2009-2010	University of Cantabria, Spain. Master in Molecular Biology and Biomedicine.
2008-2012	University of Cantabria, Spain. Ph.D. Health Sciences. Dissertation: <i>Role of epigenetic mechanisms in common skeletal diseases.</i> Advisor: Dr. Jose Antonio Riancho.
2013-2015	Indiana University School of Medicine, IN, USA. Postdoctoral fellowship. <i>Role of osteocytes in the catabolic actions of parathyroid hormone and multiple myeloma-induced bone disease.</i> Advisors: Teresita Bellido and G. David Roodman.

Academic Positions

July 2020	Assistant Professor, Department of Physiology and Biophysics, University of Arkansas Medical School, Little Rock, Arkansas, USA.
2017-present	Assistant Research Professor, Department of Medicine, Hematology/Oncology Division, Indiana University School of Medicine, Indianapolis, Indiana, USA.
2017-present	Researcher at the Indiana Center for Musculoskeletal Health, Cancer in Bone and Muscle research program, Indianapolis, Indiana, USA.
2016-present	Member of The Indiana University Melvin and Bren Simon Cancer Center, Tumor Microenvironment and Metastasis research program, Indianapolis, Indiana, USA.
2016-present	Research Service without Compensation (WOC) employee Roudebush Veterans Administration Medical, Indianapolis, Indiana, USA.
2016-2017	Assistant Research Professor, Department of Anatomy and Cell biology, Indiana University School of Medicine, Indianapolis, Indiana, USA.
2013-2016	Intergovernmental Personnel Act (IPA) employee Roudebush Veterans Administration Medical, Indianapolis, Indiana, USA.

Professional Memberships

2018-present	American Association for Cancer Research –AACR
2016-present	Cancer and Bone Society –CABS
2015-present	Orthopedic Research Society –ORS
2015-present	American Society for Biochemistry and Molecular biology –ASBMB
2014-present	American Society of Hematology –ASH
2011-present	American Society of Bone and Mineral Research –ASBMR
2011-present	European Calcified Tissue Society –ECTS
2010-2015	International Bone and Mineral Society –IBMS
2010-present	Spanish Society of Bone Research and Mineral Metabolism –SEIOMM

Awards and Honors

2019	SEIOMM Best Oral presentation Award
2017	ASBMR Young Investigator Travel Grant for the ASBMR annual meeting.
2017	ORS Alice L. Jee Young Investigator Award
2016	ASH Achievement Award. American Society of Hematology annual meeting.
2016	Most outstanding Translational Abstract Award. ASBMR annual meeting.
2016	Best Basic Research presentation. Richard L. Roudebush VAMC Hospital Research day.
2016	ASH Scholar Award.
2015	ASBMR Young Investigator award.

2015	ASBMR Harold M. Frost Young Investigator Award.
2015	Best Translational/Clinical Research presentation. Indiana University Melvin and Bren Simon Cancer Center Research day.
2015	Best Translational Research presentation. Richard L. Roudebush VAMC Hospital Research day.
2015	ASBMR John Haddad Young Investigator Award.
2014	ASH Achievement Award. American Society of Hematology annual meeting.
2013	Sevgi & Gideon Rodan Fellowship Winner. International Bone & Mineral Society.
2013	ASBMR Young Investigator Travel Grant for the ASBMR annual meeting.
2013	Endocrine Fellow Foundation travel award for the EFF/ASBMR Seventh Fellows Forum on Metabolic Bone Diseases.
2012	Best oral basic communication award in the XVI Annual Meeting of the Spanish Society of Bone Research and Mineral Metabolism-SEIOMM.
2012	SEIOMM travel award for the ASBMR annual meeting.
2011	Young Investigator Award in the 21st Annual Meeting of the Dutch Society for Calcium and Bone Metabolism.
2011	SEIOMM travel award for the ASBMR annual meeting.
2011	European Calcified Tissue Society-ECTS travel award for the 3 rd Joint Meeting of the ECTS-IBMS.

Patents

1. Notch signaling and bone diseases.

Submitted: 08/2/18

Status: pending.

Inventors: Jesus Delgado-Calle, G. David Roodman, Teresita Bellido, Frank H. Ebetino, Robert Boeckman.

Research Support

Ongoing research support

As principal investigator (PI) or Project Leader

- American Cancer Association (PI **Delgado-Calle**) 08/01/2019-07/30/2020 0.0 calendar
 IRG-IUSCC Pilot funding \$40,000 annual direct costs
 The aim of this study is to investigate the effects of Notch signaling inhibition on myeloma cell dormancy.
- Pilot Funding (PI **Delgado-Calle**) 03/01/2019-02/28/2020 0.0 calendar

CTSI Use of cores program \$5,000 annual direct costs

"Role of osteocytes in the regulation of body energy balance"

This grant provides funds to study the role of osteocytes in energy metabolism.

• Pilot Funding (PI **Delgado-Calle**) 05/01/2019-04/31/2020 0.0 calendar

Marian University Master Program MU-COM \$4,000 annual direct costs

This grant provides funds to support the thesis research work of two master students.

• PharmaMar S.A. (PI Bellido, co-PI **Delgado-Calle**) 10/01/2018-06/31/2020 2.5 calendar

\$107,000 annual direct costs

"Characterization of Aplidin® (plitidepsin) effects on multiple myeloma (MM)-induced bone disease."

The goal of this proposal is to investigate the effects of Aplidin on osteocytes and multiple myeloma cells using in vitro, ex vivo and in vivo approaches.

• Pilot Funding (PI **Delgado-Calle**) 03/01/2019-02/28/2020 0.0 calendar

CTSI Use of cores program \$5,000 annual direct costs

"Role of osteocytes in the regulation of body energy balance." This grant provides funds to study the role of osteocytes in energy metabolism.

As a collaborator

NIH (MPI Bellido/Roodman, co-I **Delgado-Calle**) 03/15/2017-03/14/2022 7.0 calendar

NCI 1R01CA209882-01A1 \$256,504 annual direct costs

"Musculoskeletal effects of osteocyte-tumor cell interactions in myeloma". The objective of this study is to investigate the role of osteocytes and their derived factor to the onset and progression of multiple myeloma-induced bone disease.

Pending

• NIH, Role: (PI **Delgado-Calle**) 3.2 calendar

NCI R01 \$250,000 annual direct costs

"Bone-Targeted Therapies to Improve Bone Health and Prevent Relapse in Multiple Myeloma"

Scored 2/20/20: 6 percentile.

• NIH, Role: (PI Roodman, co-I **Delgado-Calle**) 2.4 calendar

NCI R01 \$270,329 annual direct costs

"Manipulating the N-end Rule Protein Degradation Pathway to Build Bone and Decrease Tumor Growth in Multiple Myeloma Bone Disease"

Scored 10/20/19: 1 percentile.

• NIH, Role: (PI Roodman, co-I **Delgado-Calle**) 2.4 calendar

NIAMS R01 \$390,983 annual direct costs

"Osteoclast-Osteocyte Interaction's in Paget's Disease"

Scored 2/18/20: 19 percentile.

Completed research support

- 06/01/2016-12/31/2019. Agency: ASH Scholar Award, American Society of Hematology, USA, "Targeting Notch in multiple myeloma". **Role: PI.** The objective of this study is to investigate the efficacy of genetic and pharmacologic inhibition of Notch receptor 3 signaling in MM and its associated bone disease.
- 05/01/2018-12/31/2019. Agency: Herman B Wells Center for Pediatric Research, USA, "Actions of Sclerostin in pancreatic beta-cell function." **Role: PI.** The aim of this application is to investigate the effects of bone-derived Sclerostin on the regulation of glucose metabolism through direct actions on pancreatic cells.
- 05/01/2018-04/31/2019. Agency: Marian University Master Program MU-COM, USA. **Role: PI.** This grant provides funds to support the thesis research work of two master students.
- 05/01/2018-12/31/2018. Agency: Marian University Faculty Development Award, USA, "Inhibition of Notch receptor 3 in multiple myeloma". **Role: PI, co-PI Julia Hum.** The aim of this application is to investigate the effects inhibiting Notch receptor 3 on multiple myeloma bone disease.
- 01/01/2017-12/31/2018. Agency: International Myeloma Foundation, Brian D. Novis Jr Award, USA, "*Bone/bone marrow-targeted inhibition of Notch signaling in combination with glucocorticoid therapy as a novel approach to treat multiple myeloma*". **Role: PI.** The aim of this application is to investigate the efficacy of pharmacologic inhibition of Notch signaling in MM growth, muscle weakness and bone disease.
- 01/01/2013-01/31/2017. Agency: Instituto de Salud Carlos III (ISC III), PI12/615, Spain, "DNA methylation: role as a pathogenic factor and as a biomarker in bone metabolism disorders". **Role: co-I (PI: Riancho).** The goal of this proposal is to determine whether changes in DNA methylation can be used as biomarkers to predict or diagnose bone metabolism disorders.
- 1/13-15-1/13/2016. Agency: NCI Near Miss, IU Melvin and Bren Simon Cancer Center, USA, "Musculoskeletal Effects of Cancer in Bone". **Role: postdoctoral fellow.** The goal of this proposal is to determine the mechanisms responsible for the increased tumor growth, bone destruction, muscle dysfunction, and debilitating bone pain that result from interactions between osteocytes and tumor cells, when cancer metastasizes to bone.
- 1/1/2014-12/31/2015. Agency: International bone and Mineral Research Society (IBMS), USA, "Role of osteocytes in multiple myeloma bone disease." **Role: PI.** This proposal explored the role of Sclerostin produced by osteocytes in the inhibition of bone formation associated with multiple myeloma bone disease.
- 4/1/2013-12/31/2014. Agency: Indiana Clinical and Translational Science Institute (NIH-CTSI), USA, "Role of osteocytes in multiple myeloma." **Role: postdoctoral fellow.** This grant tested the hypothesis that osteocytes contribute to the generation of a microenvironment that is conducive to tumor growth and bone destruction in multiple myeloma.

- 1/1/2010-1/31/2012. Agency: Instituto de Salud Carlos III (ISC III), PI09/0539, Spain, “Role of epigenetic mechanisms in common skeletal diseases”. **Role: PhD candidate.** This proposal investigated the role of DNA methylation in the regulation of keys genes involved in the regulation of bone remodeling and the development and progression of common skeletal disease.
- 1/1/10- 31/12/2010. Agency: Fundacion Marques de Valdecilla (IFIMAV), Spain, “Role of DNA methylation in the regulation of gene expression in bone metabolism genes”. **Role: PI.** This application investigated the contribution of DNA methylation to the regulation of Sclerostin production by osteocytes.
- 1/1/09- 31/12/09. Agency: SEIOMM-Amgen, Spain, “Analysis of RANKL and OPG gene expression and DNA methylation in human bone tissue and primary osteoblasts”. **Role: co-PI.** The goal of this project was to understand the epigenetic regulation of osteoclastogenesis by modulation of the pro-osteoclastogenic cytokine Rankl, and the anti-osteoclastogenic cytokine Opg.

Professional Service

Manuscript Reviewer

- Bone biology journals
 - Nature Communications (IF:11.8)
 - Bone Research (IF: 9.3)
 - Revista de Osteoporosis y Metabolismo Mineral (in Spanish)
 - Journal of Endocrinology (IF: 4.7)
 - Endocrinology (IF: 4.2)
 - Actualizaciones en Osteología (in Spanish)
 - Osteoporosis International (IF: 3.5)
 - Journal of Bone and Mineral Research (IF: 6.2)
 - Journal of Bone and Mineral Research Plus
 - Journal of Bone and Mineral Metabolism (IF: 2.4)
 - Calcified Tissue International (IF: 3.1)
 - Bone (IF: 4.1)
- Cancer biology journal
 - Oncotargets and Therapy (IF: 1.6)
- Cell biology journals
 - Journal of Cellular and Molecular Medicine 9IF 4.6)
 - Journal of Cellular Biochemistry (IF: 3.0)
 - Molecular Biology of the Cell (IF: 3.6)
 - Experimental Cell Research (IF: 3.5)

- International Journal of Molecular Sciences (IF:3.2)
- Genetics journals
 - BMC Medical Genetics (IF: 2.1)
 - Current Genomics (IF: 3.1)
- Other journals
 - International Journal of Molecular Sciences (IF: 3.6)
 - PlosBiology (9.1)
 - BMC Musculoskeletal Disorders (IF: 1.7)
 - The Journal of Rheumatology (IF: 3.3)
 - PlosOne (IF: 2.8)
 - Stem Cells International (IF: 3.4)
 - International Journal of Environmental Research and Public Health (IF: 2.1)
 - Scientific Reports (IF: 4.2)
 - Nutrients (IF: 3.5)
 - Histology and Histopathology (IF: 2.0)
 - Molecular and Cellular Biochemistry (IF: 2.0)

Grant Reviewer

2020	Reviewer for the Spanish Society of Bone Research and Mineral Metabolism (SEIOMM) pilot and travel grants
2019	Reviewer for the Endocrine Fellows Foundation Grant Program.
2018-present	Reviewer for the Collaboration in Translational Research (CTR) pilot program, Indiana Clinical and Translational Sciences Institute.
2017-present	Member of the Early Career Reviewer (ECR) program at the Center for Scientific Review (CSR), National Institutes of Health.
2017-present	Reviewer for the Austrian Science and the Russian Science Foundation.
2017	Reviewer for Scientific and Technological Research applications. Ministry of Science, Technology and Innovation of Argentina.
2016	Reviewer for the Sir Charles Hercus Research Fellowship. Health Research Council of New Zealand.

National/International committees or functions

2019-present	Co-chair of ASBMR Education Work Group
2019-present	Osteocyte Section Co-Editor for Current Osteoporosis Reports
2018-present	Member of the ASBMR Membership Engagement and Education Committee.
2018	Session chair, Concurrent Orals: Preclinical models: Nutrition and Pharmacology. ASBMR annual meeting, Montreal, Quebec, Canada.
2018	Leader table: Internal Negotiations within your institution. American Society for Bone and Mineral Research annual meeting.

2017-2018	Review board for the American Society for Bone and Mineral Research annual meeting. Bone Tumors and Metastasis category.
2017-2018	Leader table: Osteocytes and connexins Table. American Society for Bone and Mineral Research annual meeting
2016	Session chair, Concurrent Orals: Bone Tumors and Metastasis II. ASBMR annual meeting, Atlanta, Georgia, US.
2011-present	Member of the expert's review panel for Osteoporosis and Mineral Metabolism Journal (SEIOMM)
2011-present	Review board for the Spanish Society of Bone Research and Mineral Metabolism conference.
2012-2013	Coordinator of the Young Investigators group of the Spanish Society of Bone Research and Mineral Metabolism (SEIOMM), Spain.

Other

2019-present	Scientific member on the IU School of Medicine Institutional Animal Care and Use Committee (IACUC)
2019	Invited speaker, "Osteocytes, bone, and cancer", SEIOMM annual meeting, Girona, Spain.
2019	Invited speaker, "Investigation at International Research Centers", SEIOMM annual meeting, Girona, Spain.
2019q	Invited speaker, "Osteocytes as targets for the treatment of Multiple myeloma", University of Arkansas Medical School, Little Rock, AR, USA.
2018	Invited speaker, "Using 3-D Cell Culture for In vitro/Ex vivo Approaches to Study Communication Among Bone/Bone Marrow Cells on "In vitro 3D Cultures to Reproduce the Bone Marrow Niche session", ASBMR annual meeting, Montreal, Canada.
2018	Invited speaker, Title: "Targeting osteocytes and their derived factors for the treatment of multiple myeloma". University of Pennsylvania, Philadelphia, PA, USA.
2017	Teaching lecture for the Biomedical Master of Science Seminar course. Title: "Osteocytes as Targets for the Treatment of Multiple Myeloma". Marian University, Indianapolis, IN, US.
2017	Invited speaker, "Other Cells Affecting Tumor Growth in Bone", Cancer and Bone Society (CABS) annual meeting, Indianapolis, Indiana, US.
2017	Invited speaker, "Role of Osteocytes in multiple myeloma bone disease", Indiana University Melvin and Bren Simon Cancer Center, Tumor Microenvironment and Metastasis program meeting, Indianapolis, Indiana, USA.
2016	Teaching lecture for the Biomedical Master of Science Seminar course. Title: "Osteocytes: key regulators of bone metabolism". Marian University, Indianapolis, IN, US.
2010	Teaching lecture for the Advances in Osteoimmunology Course. Title:

“Rankl-Rank signaling: NF-KB and other mediators”. Universidad Autonoma de Madrid, Madrid, Spain.

Mentoring experience

2019-present	Tania Amorim: postdoctoral fellow. Project: Role of osteocytes in multiple myeloma bone disease.
2019-present	Megan Sweet: undergraduate student. Project: role of Sclerostin in the crosstalk between bone and distant organs.
2019-present	Hayley Sabol: master student. Project: Characterization of the bone effects of Aplidin. Training provided: histomorphometry, microCT, RNA isolation, quantitative PCR, cell culture.
2018-2019	Ashely Daniel: master student. Project: Role of Sclerostin in the regulation of body composition. Training provided: histomorphometry, microCT, RNA isolation, quantitative PCR, cell culture, viability assays. Master thesis: <i>Bone derived Sclerostin regulates whole-body adipose tissue via paracrine and endocrine actions on adipocyte precursors.</i>
2018-2019	Adam Ferrari: master student. Project: Role of osteocytes in multiple myeloma bone disease. Training provided: histomorphometry, microCT, RNA isolation, quantitative PCR, cell culture, viability assays. Master thesis: <i>Inhibition of Notch Signaling in the Myeloma-bone Marrow Niche Simultaneously Decreases Tumor Growth and Prevents Bone Loss without Inducing Gut Toxicity.</i>
2018-2019	James Bell: undergraduate student. Project: Inhibition of Notch signaling in multiple myeloma. Training provided: cell culture, RNA isolation, quantitative PCR, tissue harvest.
2017-2019	Jessica Nelson: research technician. Project: Effects of Aplidin on bone cells. Training provided: RNA isolation, quantitative PCR, cell culture, genotyping, PCR, BMD analysis, viability assays.
2017-2018	Emily Atkinson: graduate student (co-mentor with Drs. Bellido and Roodman). Project: Role of osteocytes in multiple myeloma bone disease. Training provided: RNA isolation, quantitative PCR, cell culture, viability assays.
2017	Mathew Olson: 3 rd year medical student at Marian University. Training provided: RNA isolation, quantitative PCR.
2017	Gerald Wu: summer student. Project: role of Notch signaling on the skeletal actions of PTH. Training provided: DNA/RNA isolation, PCR, quantitative PCR, cDNA conversion, genotyping, and dynamic and static histomorphometry.
2016	Victor Dominguez: summer student. Project: role of Sclerostin in MM-induced bone disease. Training provided: RNA isolation, quantitative PCR, and dynamic and static histomorphometry.
2016	Elive Likine: summer student. Project: role of MMP14 in PTH signaling. Training provided: western blot, RNA isolation, quantitative PCR, and dynamic and static histomorphometry.

- 2015-2016 Dr. Aiji Yajima: postdoctoral fellow. Project: role of MMP14 in PTH signaling. Training provided: dynamic histomorphometry, PCR, statistics, Microsoft package, and Sigma Plot.
- 2015 Benjamin Hancock: summer student. Project: role of MMP14 in PTH signaling. Training provided: Dynamic and static histomorphometry, RNA isolation, gene expression by qPCR, protein expression by ELISA, and cell culture (in vitro and ex vivo models).
- 2014 Monica Feustel: summer student. Project: role of MMP14 in PTH signaling. Training provided: dynamic histomorphometry, cell culture, RNA isolation.

Publications

Original articles

1. Miyagawa K, Ohata Y, **Delgado-Calle J**, Teramachi, J, Zhou H, Dempster DW, Subler MA, Windle JJ, Chirgwin JM, Roodman GD, N Kurihara. Osteoclast-derived IGF1 is required for pagetic lesion formation in vivo. JCI insight. 2020 (in press).
2. **Delgado-Calle J[#]**, Kurihara N, Atkinson EG, Nelson JH, Galmarini CM, Roodman GC, Bellido T. Aplidin (plitidepsin) is a novel anti-myeloma agent with potent anti-resorptive activity mediated by direct effects on osteoclasts. Oncotarget. 2019; 10(28):2709-2721.[#] corresponding author.
3. **Delgado-Calle J**, Hancock B, McAndrews K, Likiñ EF, Sanudo C, Bruzzaniti A, Riancho JA, and Bellido T. Pharmacologic inhibition of the osteocytic PTH target gene MMP-14 prevents the catabolic and potentiates the anabolic skeletal effects of PTH. FASEB Journal. 2018; 32(5): 2878-2890.
4. **Delgado-Calle J**, Anderson J, Cregor MD, Condon KW, Plotkin LI, Bellido T, and Roodman GD. Genetic Sost deletion and pharmacological inhibition of Sclerostin prevent multiple myeloma-induced bone disease without affecting tumor growth. Leukemia. 2017; 31(12):2686-2694.
5. **Delgado-Calle J^{*}**, Tu X^{*}, Pacheco-Costa R, McAndrews K, Edwards R, Pellegrini GG, Kuhlenschmidt K, Olivos N, Robling A, Peacock M, Plotkin LI and Bellido T. Osteocytes control bone anabolism in response to mechanical loading and PTH by distinct mechanisms downstream of the PTH receptor. J Bone Miner Res. 2017; 32(3):522-535.^{*}contributed equally
6. Pérez-Campo FM, Sañudo C, Krebesova R, **Delgado-Calle J** and Riancho JA. Functional analysis of the polymorphisms present in the proximal promoter of the SOST gene. Rev Osteoporos Metab Miner 2016; 8(4):121-126.
7. Toraño EG, Bayón GF, del Real A, Sierra M, García MG, Carella A, Belmonte T, Urduñguio RG, Cubillo I, García-Castro J, **Delgado-Calle J**, Pérez-Campo FM, Riancho JA, Fernández AF and Fraga MF. Age-associated changes of 5-hydroxymethylcytosine in human adult stem cells. J Transl Med. 2016; 4(1):207.

8. Sato AY, Cregor MD, **Delgado-Calle J**, Condon KW, Allen MR, Peacock M, Plotkin LI, and Bellido T. Protection from glucocorticoid-induced osteoporosis by Wnt/ β -catenin anti-catabolic signaling. *J Bone Miner Res*. 2016; 14(1):207.
9. Perez-Campo FM, May T, Zauers J, Sañudo C, **Delgado-Calle J**, Arozamena J, Berciano MT, Lafarga M, Riancho JA. Generation and characterization of two immortalized human osteoblastic cells lines useful for epigenetic studies. *Journal of Bone and Mineral Metabolism*. 2016; 35(2):150-160.
10. **Delgado-Calle J**, Anderson J, Cregor MD, Carlesso N, Mohammad KS, Plotkin LI, Roodman GD, and Bellido T. Bidirectional Notch signaling activated by interactions between multiple myeloma cells and osteocytes drives tumor cell proliferation and osteoclast recruitment. *Cancer Research* 2016; 76(5):1089-100.
11. **Delgado-Calle J***, Tu X*, Condon K, Maycas Cepeda M, Zhang H, Carlesso N, Taketo MM, Burr D, Plotkin LI and Bellido T. Bone anabolism with unexpected elevated bone resorption by activating canonical Wnt/ β -catenin signaling in osteocytes. *Proc Natl Acad Sci USA*. 2015; 112(5):E478-86 *contributed equally
12. Garmilla-Ezquerria P, Sañudo C, **Delgado-Calle J**, Sumillera M, Perez-Núñez MI and Riancho JA. Analysis of the bone microRNome in osteoporotic fractures. *Calcif Tissue Int*. 2015; 96(1):30-7.
13. Fernández AF, Bayón GF, Urdinguio RG, Toraño EG, Petrus S, Ferrero C, Martínez-Cambor P, Cubillo I, García-Castro J, **Delgado-Calle J**, Riancho JA, Fagnani C, Medda E, Toccaceli V, Moran S, Esteller M, Nistico L, Stazi MA and Fraga MF. H3K4me1 marks DNA regions hypomethylated during aging in stem and differentiated cells. *Genome Res*. 2015; 25(1):27-40.
14. **Delgado-Calle J**, Perez-Campo FM and Riancho JA. Advances in the mechanisms underlying Sclerostin expression in human cells. *Rev Osteoporos Metab Miner* 2014; 6 (4):103-108.
15. **Delgado-Calle J**, Alonso MA, Ortiz J, Montero A, Garcés C, Sañudo C, Pérez-Aguilar A, Pérez Núñez MI and Riancho JA. DNA methylome of bone tissue and primary osteoblasts: comparative analysis. *Rev Osteoporos Metab Miner* 2014; 6(2):35-39.
16. Pérez-Campo FM, Sañudo C, **Delgado-Calle J**, Arozamena J, Zarrabeitia MT and Riancho JA. A Sclerostin superproducer cell line: A new tool for the study of the molecular mechanisms driving Sclerostin expression. *Calcif Tissue Int*. 2014; 95(2):194-9.
17. Ben-awadh A, **Delgado-Calle J**, Tu X, Kuhlenschmidt K, Allen MR, Plotkin LI and Bellido T. Parathyroid hormone receptor signaling induces bone resorption in the adult skeleton by directly 1 regulating the RANKL gene in osteocytes. *Endocrinology* 2014; 55(8):2797-809
18. **Delgado-Calle J**, Riancho JA and Klein-Nulend J. Nitric Oxide is Involved in the Mechanical Loading-Induced Down-Regulation of SOST Expression. *Cal Tiss Int*. 2014; 94(4):414-22.
19. García-Ibarbia C, **Delgado-Calle J**, Casafont I, Velasco J, Arozamena J, Pérez-Núñez MI, Alonso MA, Berciano MT, Ortiz F, Pérez-Castrillón JL, Fernández AF, Fraga MF, Zarrabeitia MT and Riancho JA. Contribution of Genetic and Epigenetic Mechanisms to Wnt Pathway Activity in Prevalent Skeletal Disorders. *Gene*. 2013; 532(2):165-72.

20. **Delgado-Calle J**, Arozamena J, Pérez-López J, Bolado-Carrancio A, Sañudo C, Agudo G, de la Vega R, Alonso MA, Rodríguez-Rey JC and Riancho JA. Role of BMPs in the Regulation of Sclerostin as Revealed by an Epigenetic Modifier of Human Bone Cells. *Mol Cell Endocrinol.* 2013; 369(1-2):27-34.
21. **Delgado-Calle J**, Fernández AF, Sainz J, Zarrabeitia MT, Sañudo C, García-Renedo R, Pérez-Núñez MI, García-Ibarbia C, Fraga MF and Riancho JA. Genome-Wide Profiling of Bone Reveals Differentially Methylated Regions in Osteoporosis and Osteoarthritis. *Arthritis Rheum.* 2013; 65(1):197-205.
22. **Delgado-Calle J**, Sañudo C, Sumillera M, Garcés CM and Riancho JA. RANKL and OPG gene expression in human osteoblastic cells. *Rev Osteoporos Metab Miner.* 2012 4;4:133-140.
23. **Delgado-Calle J**, Sañudo C, Bolado-Carrancio A, Fernández AF, Arozamena J, Pascual-Carra MA, Rodríguez-Rey JC, Fraga MF, Sánchez-Verde L, Bonewald L and Riancho JA. DNA Methylation Contributes to the Regulation of Sclerostin Expression in Human Osteocytes. *J Bone Miner Res.* 2012; 27(4):926-37.
24. **Delgado-Calle J**, Sañudo C, Fernández AF, García-Renedo R, Fraga MF and Riancho JA. Role of DNA Methylation in the Regulation of the Rankl-Opg System in Human Bone. *Epigenetics.* 2012; 7(1): 1-9.
25. **Delgado-Calle J**, Arozamena A, García-Renedo R, García-Ibarbia C, Pascual-Carra MA, Gonzalez-Macías J and Riancho JA. Osteocyte Deficiency in Hip Fractures. *Calcif Tissue Int.* 2011; 89(4):327-34.
26. **Delgado-Calle J**, Sañudo C, Sánchez-Verde L, García-Renedo R, Arozamena J and Riancho JA. Epigenetic Regulation of Alkaline Phosphatase in Human Cells of the Osteoblastic Lineage. *Bone.* 2011; 49(4):830-8.
27. Cárcamo-Orive I, Gaztelumendi A, **Delgado J**, Tejedos N, Dorronsoro A, Pennington DJ, Trigueros. Regulation Human Mesenchymal Stem Cell Differentiation Capacity by Glucocorticoid Receptor and AP-1 Cross-talk: Implication for Osteopenic Disorders. *J Bone Miner Res.* 2010; 25(10):2115-25.
28. Cárcamo-Orive I, Tejedos N, **Delgado J**, Gaztelumendi A, Otaegui D, Lang V, and Trigueros C. ERK2 Protein Regulates the Proliferation of Human Mesenchymal Stem Cells Without Affecting their Mobilization and Differentiation Potential. *Exp Cell Res.* 2008; 314(8):1777-8.

Invited Reviews

1. Bellido T and **Delgado-Calle J[#]**. *Ex Vivo Organ Cultures as Models to Study Bone Biology. JBMR Plus.* 2020 (in press). [#]corresponding author.
2. Emily G Atkinson and **Delgado-Calle J[#]**. The Emerging Role of Osteocytes in Cancer in Bone. *JBMR Plus.* 2019; 3(3):e10186. [#]corresponding author.
3. McDonald M. and **Delgado-Calle J[#]**. Sclerostin: an emerging target for the treatment of cancer-induced bone disease. *Cur Osteo Rep.* 2017; 15(6):532-541. [#]corresponding author.
4. Del Real A, Riancho JA, and **Delgado-Calle J[#]**. Epigenetics regulation of Sost/Sclerostin

expression. *Cur Mol Bio Rep* 2017; 3: 85. #corresponding author.

5. **Delgado-Calle J** and Bellido T. New insights into the local and systemic functions of Sclerostin: regulation of quiescent bone lining cells and beige adipogenesis in peripheral fat depots. *J Bone Miner Res.* 2017; 32(5):889-891.
6. **Delgado-Calle J.** Osteoclasts Control Lipid Secretion to Regulate Breast Cancer Bone Metastasis. *Endocrinology* 2017; 158(3):458-460.
7. **Delgado-Calle J.** Osteocytes and their messengers as targets for the treatment of multiple myeloma. *Clinic Rev Bone Miner Metab.* 2017; 15: 49.
8. **Delgado-Calle J.,** Sato AT and Bellido T. Role and mechanism of action of Sclerostin in bone. *Bone.* 2017; 96:29-37.
9. **Delgado-Calle J.** and Bellido T. Physiology and pathophysiology of osteocytes in skeletal remodeling. *Curr Mol Biol Rep.* 2015; 1(4):157-67.
10. **Delgado-Calle J.,** Bellido T and Roodman GD. Role of osteocytes in Multiple Myeloma. *Current Opinion in Supportive & Palliative Care.* 2014; 8(4):407-13.
11. **Delgado-Calle J.** and Riancho JA. The Role of DNA Methylation in Common Skeletal Disorders. *Biology.* 2012; 1(3): 698-713.
12. **Delgado-Calle J.** and Riancho JA. Role of DNA Methylation in the Regulation of Osteoclastogenesis. *Rev Osteoporos Metab Miner.* 2012; 2:77-81.
13. **Delgado-Calle J.,** Garmilla P and Riancho JA. Do epigenetic marks govern bone homeostasis? *Curr Genomics.* 2012; 13(3): 252-63.
14. Riancho JA and **Delgado-Calle J.** Osteoblast-Osteoclast Interaction Mechanisms. *Reumatol Clin.* 2011; 7 Suppl 2:S1-4.

A list of published work cited in PubMed (37) can be found at:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/jesus.delgado-calle.1/bibliography/45749073/public/?sort=date&direction=ascending>

Book chapters

1. Pagnotti G, Marino S, Petrusca D, Bellido T, Roodman GD, **Delgado-Calle J[#]**. *Role of osteoblast in cancer in bone. Encyclopedia of Bone Biology. Elsevier 2020 (in press).* #corresponding author.
2. **Delgado-Calle J.** and Bellido T. Basic aspects of osteocyte function. *Osteoporosis: Pathophysiology and Clinical Management*, 3rd edition. Edited by Benjamin Leder and Mark Wein. Humana Press, Springer. 2018. Print ISBN 978-3-319-69287-6. eBook ISBN 978-3-319-69287-6.
3. Marino S, Bishop RT, de Ridder D, **Delgado-Calle J** and Reagan MR. 2D and 3D in vitro co-culture for cancer and bone cell interaction studies. *Methods Mol Biol.* 2019;1914:71-98.
4. **Delgado-Calle J** and Riancho JA. The Role of DNA Methylation in Common Skeletal Disorders. *Specific Gene Expression and Epigenetics: the Interplay Between the Genome and Its Environment.* Edited by Kasirajan Ayyanathan. Apple Academic Press 2014, pages

91–111. Print ISBN: 978-1-77188-036-7. eBook ISBN: 978-1-4822-5385-6. DOI: 10.1201/b16680-7.

Abstracts (*selected for oral presentation)

1. *Ferrari A, McAndrews K, Nelson JH, Bell J, Srinivasan V, Ebetino FH, Boeckman FK Jr, Roodman GD, Bellido T, **Delgado-Calle J**. Disruption of Notch Signaling targeted to the myeloma bone marrow microenvironment simultaneously inhibits tumor growth and prevents bone loss without inducing gut toxicity. SEIOMM annual meeting. Barcelona, Spain, 2019. (Best Oral Basic presentation).
2. *Daniel A, Ferrari A, Nelson JH, McAndrews K, Cregor C, Ghazzawi Z, Thompson W, Evans-Molina C, Bellido T, Delgado-Calle J. Bone-derived Sclerostin has endocrine actions in adipocyte precursors and pancreatic beta-cells. ASBMR annual meeting. Orlando, USA, 2019.
3. *Ferrari A, McAndrews K, Nelson JH, Bell J, Srinivasan V, Ebetino FH, Boeckman FK Jr, Roodman GD, Bellido T, **Delgado-Calle J**. Disruption of Notch Signaling targeted to the myeloma bone marrow microenvironment simultaneously inhibits tumor growth and prevents bone loss without inducing gut toxicity. ASBMR annual meeting. Orlando, USA, 2019. (ASBMR Young Investigator award).
4. Daniel A, Ferrari A, Nelson JH, McAndrews K, Cregor C, Ghazzawi Z, Thompson W, Evans-Molina C, Bellido T, Delgado-Calle J. Bone-derived Sclerostin has endocrine actions in adipocyte precursors and pancreatic beta-cells. ASBMR annual meeting. Orlando, USA, 2019.
5. Mulcrone P, Petrusca DN, Condon KW, Delgado-Calle J, Roodman GD. Direct Interactions between Multiple Myeloma Cells and Osteocytes in the Hypoxic Myeloma Microenvironment Induce a Pro-angiogenic Phenotype in Osteocytes. ASBMR annual meeting. Orlando, USA, 2019.
6. *Ferrari A, McAndrews K, Nelson JH, Bell J, Srinivasan V, Ebetino FH, Boeckman FK Jr, Roodman GD, Bellido T, **Delgado-Calle J**. Disruption of Notch Signaling targeted to the myeloma bone marrow microenvironment simultaneously inhibits tumor growth and prevents bone loss without inducing gut toxicity. ORS Musculoskeletal Biology Workshop at Sun Valley, Sun Valley, USA, 2019. (Charles Turner Travel Award).
7. Daniel A, Ferrari A, Nelson JH, McAndrews K, Cregor C, Ghazzawi Z, Thompson W, Evans-Molina C, Bellido T, Delgado-Calle J. Bone-derived Sclerostin has endocrine actions in adipocyte precursors and pancreatic beta-cells. ORS Musculoskeletal Biology Workshop at Sun Valley, Sun Valley, USA, 2019.
8. Ferrari A, McAndrews K, Nelson JH, Bell J, Srinivasan V, Ebetino FH, Boeckman FK Jr, Roodman GD, Bellido T, **Delgado-Calle J**. Disruption of Notch Signaling targeted to the myeloma bone marrow microenvironment simultaneously inhibits tumor growth and prevents bone loss without inducing gut toxicity. American Association for Cancer Research annual meeting. Atlanta, USA, 2019.
9. *Ferrari A, McAndrews K, Nelson JH, Bell J, Srinivasan V, Ebetino FH, Boeckman FK Jr,

- Roodman GD, Bellido T, **Delgado-Calle J**. Bone-targeted inhibition of notch signaling decreases tumor burden and prevents bone destruction in a mouse model of established multiple myeloma. Marian University College of Medicine Research Day. Indianapolis, USA, 2018.
10. Ferrari A, Nelson JH, McAndrews K, Cregor M, Evans-Molina C, Bellido T, **Delgado-Calle J**. Bone-derived Sclerostin regulates glucose metabolism via endocrine actions in pancreatic β - cells. Marian University College of Medicine Poster Symposium. Indianapolis, USA, 2018. (Best poster presentation Award)
 11. *Daniel A, Nelson J, McAndrews K, Cregor M, Thompson W, Bellido T, **Delgado-Calle J**. Sclerostin regulates whole-body adipose tissue mass via paracrine and endocrine actions on MSCs. Marian University College of Osteopathic Medicine Research Day. Indianapolis, Indiana, 2018.
 12. Nelson J, Daniel A, Davis H, McAndrews K, Thompson W, Plotkin L, Robling A, Bellido T, **Delgado-Calle J**. Sclerostin regulates adipocyte fate and mediates paracrine and endocrine signaling between osteocytes and fat. ASBMR annual meeting. Montreal, Canada, 2018.
 13. **Delgado-Calle J**, Kurihara N, Atkinson EG, Nelson J, Galmarini C, Roodman GD, Bellido T. Aplidin (Plitidepsin) is a novel anti-myeloma drug with potent anti-resorptive activity mediated by direct effects on osteoclasts. American Society for Bone and Mineral Research annual meeting. Montreal, CAN, 2018.
 14. **Delgado-Calle J**, Wu G, Olson ME, McAndrews K, Nelson JH, Daniel AL, Ferrari A, Kurihara N, Atkinson EG, Xiao L, Ebetino FH, Roodman GD, Boeckman RK Jr, and Bellido T. Bone-targeted pharmacological inhibition of notch signaling potentiates PTH-induced bone gain. American Society for Bone and Mineral Research annual meeting. Montreal, CAN, 2018.
 15. **Delgado-Calle J**, Atkinson EG, Nelson J, Kurihara N, Galmarini C, Roodman GC, Bellido T. Aplidin (Plitidepsin) decreases the viability of MM and osteoblastic cells and suppresses osteoclast differentiation and function. American Society of Hematology annual meeting. Atlanta, USA, 2017.
 16. **Delgado-Calle J**, Olson ME, Nelson JH, Atkinson EG, McAndrews K, Xiao L, Ebetino FH, Boeckman Jr RK, Roodman GD, and Bellido T. Bone-Targeted Pharmacological Inhibition of Notch Signaling as a novel approach to inhibit myeloma growth and bone destruction. American Society of Hematology annual meeting. Atlanta, USA, 2017. (ASBMR Young Investigator Travel Award).
 17. ***Delgado-Calle J**, Nelson JH, Olson ME, McAndrews K, Atkinson EG, Tu X, Bellido T. Anabolic PTH Signaling Activates the Canonical Notch Pathway in Osteocytes to Restrain Bone Resorption and Facilitate Bone Gain. ASBMR annual meeting. Denver, USA, 2017.
 18. ***Delgado-Calle J**, Olson ME, Nelson JH, Atkinson EG, McAndrews K, Xiao L, Ebetino FH, Boeckman Jr RK, Roodman GD, and Bellido T. Bone-Targeted Pharmacological Inhibition of Notch Signaling Decreases Resorption and Induces Bone Gain in Skeletally Mature Mice. ASBMR annual meeting. Denver, USA, 2017.
 19. Atkinson EG, Bellido T, Roodman GC, Kelley MR, **Delgado-Calle J**. Selective Pharmacological Inhibition of Notch Receptor 3 Signaling Induces Myeloma Cell Death and Preserves Osteocyte Viability. ASBMR annual meeting. Denver, USA, 2017.

20. ***Delgado-Calle J**, Nelson JH, Olson ME, McAndrews K, Atkinson EG, Tu X, Bellido T. Anabolic PTH Signaling Activates the Canonical Notch Pathway in Osteocytes to Restrain Bone Resorption and Facilitate Bone Gain. ORS Musculoskeletal Biology Workshop at Sun Valley, Sun Valley, USA, 2017. (ORS Alice L. Jee Young Investigator Award).
21. Atkinson EG, Bellido T, Roodman GD, Kelley MR, and **Delgado-Calle J**. Selective Pharmacological Inhibition of Notch Receptor 3 Signaling Induces Myeloma Cell Death and Preserves Osteocyte Viability. Indiana University Melvin and Bren Simon Cancer Center Research day. Indianapolis, USA, 2017.
22. ***Delgado-Calle J**, Anderson J, Cregor M, Zhou D, Plotkin LI, Bellido T, and Roodman GD. Genetic Sost Deletion and Pharmacological Inhibition of Sclerostin Prevent Multiple Myeloma-Induced Bone Loss Without Affecting Tumor Growth. American Society of Hematology annual meeting. San Diego, USA, 2016. (ASH Achievement Award).
23. ***Delgado-Calle J**, Hancock B, McAndrews K, Plotkin LI, and Bellido T. Blockade of the activity of the osteocytic PTH receptor target gene MMP14: a therapeutic tool to prevent bone loss and potentiate bone gain induced by PTH. ASBMR annual meeting. Atlanta, USA, 2016.
24. ***Delgado-Calle J**, Pacheco-Costa R, Tu X, McAndrews K, Plotkin LI, and Bellido T. The bone anabolic effects of intermittent administration of PTH are independent of Sost/Sclerostin downregulation. ASBMR annual meeting. Atlanta, USA, 2016.
25. ***Delgado-Calle J**, Anderson J, Cregor M, Zhou D, Plotkin LI, Bellido T, and Roodman GD. Genetic Sost deletion or pharmacological inhibition of Sclerostin prevents bone loss and decreases osteolytic lesions in immunodeficient and immunocompetent preclinical models of multiple myeloma. ASBMR annual meeting. Atlanta, USA, 2016. (Most outstanding Translational Abstract Award).
26. ***Hiasa M**, Okui T, **Delgado-Calle J**, Bellido T, Roodman GD, White F, Plotkin LI, Yoneda T. Osteocytes Mediate Bone Pain Through Cell-Cell Communication with Sensory Neurons via Connexin 43. ASBMR annual meeting. Atlanta, USA, 2016.
27. **Delgado-Calle J**, Hancock B, McAndrews K, Plotkin LI, and Bellido T. Blockade of the activity of the osteocytic PTH receptor target gene MMP14: a therapeutic tool to prevent bone loss and potentiate bone gain induced by PTH. ASBMR annual meeting. IU Musculoskeletal Symposium, Indianapolis, IN, USA, 2016.
28. **Delgado-Calle J**, Anderson J, Cregor M, Zhou D, Plotkin LI, Bellido T, and Roodman GD. Genetic Sost deletion or pharmacological inhibition of Sclerostin prevents bone loss and decreases osteolytic lesions in immunodeficient and immunocompetent preclinical models of multiple myeloma. IU Musculoskeletal Symposium, Indianapolis, IN, USA, 2016.
29. **Delgado-Calle J**, Hancock B, McAndrews K, Plotkin LI, and Bellido T. Blockade of the activity of the osteocytic PTH receptor target gene MMP14: a therapeutic tool to prevent bone loss and potentiate bone gain induced by PTH. ASBMR annual meeting. VA Research Day, Indianapolis, IN, USA, 2016.
30. **Delgado-Calle J**, Anderson J, Cregor M, Zhou D, Plotkin LI, Bellido T, and Roodman GD. Genetic Sost deletion or pharmacological inhibition of Sclerostin prevents bone loss and decreases osteolytic lesions in immunodeficient and immunocompetent preclinical models of multiple myeloma. VA Research Day, Indianapolis, IN, USA, 2016. (Best Basic Research

Award)

31. **Delgado-Calle J**, Anderson J, Cregor MD, Carlesso N, Mohammad KS, Plotkin LI, Bellido T, and Roodman GD. Bidirectional Notch signaling between Multiple myeloma (MM) cells and osteocytes as a potential target to inhibit tumor growth and osteoclast recruitment in MM. American Society of Hematology annual meeting. Orlando, USA, 2015.
32. ***Delgado-Calle J**, Pellegrini GP, Feustel M, McAndrews K, and Bellido T. MMP14 is a novel target of PTH required for osteocytic PTH receptor-driven bone remodeling and mineral apposition. ASBMR annual meeting. Seattle, USA, 2015. (ASBMR Young Investigator award).
33. **Delgado-Calle J**, Anderson J, Cregor MD, Mohammad KS, Plotkin LI, Bellido T, and Roodman GD. Bidirectional Notch signaling activated by interactions between multiple myeloma cells and osteocytes drives tumor cell proliferation and osteoclast recruitment. ASBMR annual meeting. Seattle, USA, 2015.
34. Pellegrini GG, Cregor MD, McAndrews K, **Delgado-Calle J**, Sato AY, Davis HM, Plotkin LI, Burr D, Weaver C, and Bellido T. Nrf2 mediates gender specific mechanisms on bone accrual and maintenance. ASBMR annual meeting. Seattle, USA, 2015.
35. Sato AY, Cregor MD, Tzeggai J, McAndrews K, **Delgado-Calle J**, Robling AG, Plotkin LI, and Bellido T. Sost/Sclerostin deficiency protects the murine skeleton from glucocorticoid-induced bone loss by inhibiting bone resorption. ASBMR annual meeting. Seattle, USA, 2015.
36. Gallant MA, Golz B, Yang H, **Delgado-Calle J**, Bellido T, Voytik-Harbin SL, and Main RP. Validation of a novel in vitro model for the study of osteocyte biology in a 3D mineral-collagen matrix. ASBMR annual meeting. Seattle, USA, 2015.
37. Hiasa M, Okui T, Nagata Y, Allette YM, Ripsch MS, **Delgado-Calle J**, Bellido T, Roodman GD, Plotkin LI, White F, Yoneda T. Osteocytes are an Important Mediator of Bone Pain in Myeloma. ASBMR annual meeting. Seattle, USA, 2015.
38. ***Delgado-Calle J**, Pellegrini GP, Feustel M, McAndrews K, and Bellido T. MMP14 is a novel target of PTH required for osteocytic PTH receptor-driven bone remodeling and mineral apposition. Sun Valley workshop, Idaho, USA, 2015. (Harold M. Frost Young Investigator Award).
39. Golz B, Gallant MA, Yang H, **Delgado-Calle J**, Bellido T, Voytik-Harbin SL, and Main RP. Development of a novel in vitro 3D model to investigate osteocyte differentiation and biology. BMES meeting 2015 Annual Meeting, Tampa, Florida, USA, 2015.
40. **Delgado-Calle J**, Anderson J, Cregor MD, Mohammad KS, Carlesso N, Plotkin LI, Bellido T, and Roodman GD. Bidirectional Notch signaling activated by interactions between multiple myeloma cells and osteocytes drives tumor cell proliferation and osteoclast recruitment. VA Research Day, Indianapolis, IN, USA, 2015. (Best Translational Research Award).
41. **Delgado-Calle J**, Anderson J, Cregor MD, Mohammad KS, Carlesso N, Plotkin LI, Bellido T, and Roodman GD. Bidirectional Notch signaling activated by interactions between multiple myeloma cells and osteocytes drives tumor cell proliferation and osteoclast recruitment. VA Research Day, Indiana, USA, 2015. (Best Translational Research Award).

42. ***Delgado-Calle J.** Role of osteocytes in Multiple Myeloma disease. Muskuloskeletal Research Symposium. Indianapolis, Indiana, USA, 2015.
43. Yoneda T, Hiasa M, **Delgado-Calle J**, Allette YM, Ripsch MS, Bellido T, Roodman GD, White F and Plotkin LI. Contribution of osteocytes to cancer-associated bone pain via connexin43-mediated communications with sensory neurons under an acidic microenvironment. ECTS-IBMS 4th Joint Meeting, Rotterdam, The Netherlands, 2015.
44. ***Delgado-Calle J**, Anderson J, Mohammad KS, Cregor MD, Plotkin LI, Bellido T and Roodman GD. Osteocyte-driven osteoclast recruitment in multiple myeloma bone disease. AIMM-ASBMR meeting. Colorado, USA, 2015. (John Haddad Young Investigator Award).
45. **Delgado-Calle J**, Anderson J, Plotkin LI, Bellido T and Roodman GD. Notch- and TNF α -Activated Signaling Pathways Mediate Osteocyte Apoptosis Triggered by Multiple Myeloma cells. American Society of Hematology annual meeting. San Francisco, USA, 2014. (ASH Achievement Award).
46. *Garmilla P, Sañudo C, **Delgado-Calle J**, Pérez-Núñez MI, Sumillera M and Riancho JA. Role of miRNA in common skeletal diseases. 18th SEIOMM meeting. Galicia, Spain, 2014.
47. **Delgado-Calle J**, Anderson J, Plotkin LI, Roodman GD and Bellido. Cell-to-cell crosstalk between multiple myeloma cells and osteocytes activates Notch signaling and triggers osteocyte apoptosis. ASBMR annual meeting. Houston, USA, 2014.
48. **Delgado-Calle J**, Plotkin LI, Bellido T and Roodman GD. Interactions between myeloma cells and osteocytes alter osteocytic gene expression: evidence for osteocyte-driven dysregulation of bone remodeling in multiple myeloma. ASBMR annual meeting. Houston, USA, 2014.
49. Hiasa M, Nagata Y, **Delgado-Calle J**, Allette JM, Ripsch MS, Bellido T, Roodman GD, White FA and Yoneda T. Osteocytes directly communicate with sensory neuronal cells via cell-cell networks that are modulated under an acidic microenvironment. ASBMR annual meeting. Houston, USA, 2014.
50. **Delgado-Calle J**, Bellido T and Roodman GD. Direct cell-to-cell interactions between osteocytes and multiple myeloma (MM) cells up-regulate Sost and down-regulate OPG expression in osteocytes: evidence for osteocytic contributions to MM-induced bone disease. American Society of Hematology annual meeting. New Orleans, USA, 2013.
51. **Delgado-Calle J**, Tu X, Sato A, Cregor M, McAndrews K, Plotkin LI, and Bellido T1. PTH Upregulates RANKL and MMP13 Expression Through Direct Actions on Osteocytes, but MMP13 is Derived from Non-Osteocytic cells. ASBMR annual meeting. Baltimore, USA, 2013. (ASBMR Young Investigator Travel Award).
52. *Tu X, McAndrews K, **Delgado-Calle J**, Olivos N, Ben-awadh A, Kim W, Pacheco-Costa R, Richardson D, Peacock M, Plotkin LI and Bellido T. Osteocytic PTH Receptor is Required for Bone Anabolism Induced by Intermittent PTH Administration, but is Dispensable for Bone Resorption and the Loss of Bone Induced by Chronic PTH Elevation. ASBMR annual meeting. Baltimore, USA, 2013.
53. **Delgado-Calle J**, Sanudo C, Morante M and Riancho JA. New Tool to Study Human Sclerostin Gene Expression In Vitro. ASBMR annual meeting. Baltimore, USA, 2013.

54. ***Delgado-Calle J**, Pérez-López J, Arozamena J, Bolado-Carrancio A, Sañudo C, Rodríguez-Rey JC and Riancho JA. Demethylation of SOST Promoter as a Model for the Study of its Regulation in Human Bone Cells: Role of BMPs. 17th SEIOMM meeting. Cuenca, Spain, 2012. (Best oral basic communication award)
55. **Delgado-Calle J**, Arozamena J, Pérez-Núñez I, Garcés C, Pérez-Aguilar MD, Klein-Nulend J and Riancho JA. Role of Nitric Oxide in the Mechanical Loading-Induced Decrease of Sclerostin Expression. 17th SEIOMM meeting. Cuenca, Spain, 2012.
56. **Delgado-Calle J**, Riancho JA and Klein-Nulend. New insights into Human SOST mechanotransduction: Role of nitric oxide. ASBMR annual meeting. Minneapolis, USA, 2012.
57. **Delgado-Calle J**, Fernández AF, Zarrabeitia MT, Sañudo C, Pérez-Núñez MI, Sumillera M, Sainz J, Fraga MF and Riancho JA. Genome-Wide Mapping of Promoter Methylation in Osteoporotic Bone Tissue. ASBMR annual meeting. Minneapolis, USA, 2012.
58. **Delgado-Calle J**, Arozamena J, Sañudo C, Pascual-Carra MA, Sumillera M, Bonewald L and Riancho JA. CpG Demethylation is Critical for Sclerostin Expression in Human Osteoblastic Cells. 39th ECTS meeting. Stockholm, Sweden, 2012.
59. **Delgado-Calle J**, Sañudo C, Arozamena J, Zarrabeitia MT, Garcés C, and Riancho JA. Analysis of Osteoblastic and Osteocytic Markers During Long-Term Mineralization Culture. 39th ECTS meeting. Stockholm, Sweden, 2012.
60. ***Delgado-Calle J**, Sañudo C, Sánchez-Verde L, García-Renedo RJ, Arozamena J and Riancho JA. Epigenetic Regulation of Alkaline Phosphatase in Human Cells of the Osteoblastic Lineage. 21st NCVB meeting. Zeist, The Netherlands, 2011. (Young Investigator Award)
61. **Delgado Calle J**, Arozamena J, García-Renedo RJ, García-Ibarbia C, Pascual-Carra MA, González-Macías J and Riancho JA. Osteocyte Deficiency in Osteoporotic Patients. 16th SEIOMM meeting. A coruña, Spain, 2011.
62. **Delgado-Calle J**, Sañudo C, Fernández AF, Fraga MF and Riancho JA. Analysis of RANKL and SOST gene DNA Methylation in Hip Fracture of Osteoporotic and Osteoarthritic Patients. Wellcome Trust. Cambridge, England, 2011.
63. **Delgado-Calle J**, Sañudo C, Fernández AF, García-Renedo RJ, Fraga MF and Riancho JA. Epigenetic mechanisms modulate the expression of genes controlling osteoclast differentiation. ASBMR annual meeting. San Diego, USA, 2011.
64. **Delgado-Calle J**, Arozamena J, Sañudo C, Mijares V and Riancho JA. DNA Methylation at Promoter CpG Rich Sites Regulates Alkaline Phosphatase Expression. 3rd Joint Meeting of the ECTS-IBMS. Athens, Greece, 2011.
65. ***Delgado-Calle J**, Arozamena J, Casafont I, García-Renedo RJ, Pascual-Carra MA, Berciano MT, González-Macías J and Riancho JA. Wnt Activity, Osteocytes and Sclerostin Expression in Hip Fractures and Osteoarthritis. 3rd Joint Meeting of the ECTS-IBMS. Athens, Greece, 2011. (European Calcified Tissue Society-ECTS travel award)
66. ***Delgado-Calle J**, Arozamena J, Casafont I, García-Renedo RJ, Pascual-Carra MA, Berciano MT, González Macías J and Riancho JA. Study of the Wnt Pathway Activity, Osteocytes and Sclerostin Expression in Hip Fracture. 15th SEIOMM meeting. Salamanca,

Spain, 2010.

67. **Delgado-Calle J**, Sañudo C and Riancho JA. Analysis of DNA Methylation and Gene Expression in Human Osteoblastic Cells. 14th SEIOMM meeting. Santander, Spain, 2009.

APPENDIX C

*Curricula vitae of
clinical oncology
recruits*

Jibran Ahmed, M.D.
Hematology/Oncology fellow
Westchester Medical Center, New York Medical College
100 Woods Rd. Valhalla, NY 10595
(914)-493-7000
Email: Jibran.Ahmed@wmchealth.org

Education

M.B;B.S, King Edward Medical University, Pakistan. June 2010.

Board Certification

American Board of Internal Medicine. 2017

Current/Prior Training:

1. Fellow Physician (Hematology/Oncology), Westchester Medical Center, New York Medical College, NY. USA. July 2017- June 2020
2. Resident Physician (Internal Medicine), John H. Stroger Hospital of Cook County, Chicago, IL. USA. July 2014- June 2017
3. House officer (internship), Mayo Hospital, Lahore, Pakistan. May 2010- May 2011

Publications:

1. **Ahmed J**, Kumar A, Jafri F, Batool S, Knoll B, Lim SH. Low Incidence of Hospital-Onset *Clostridium difficile* Infection in Sickle Cell Disease. N Engl J Med. 2019 Feb 28; 380 (9): 887-888
2. **Ahmed J**, Karass M, Aujla A, McHale P, Kretschmer P, Mazumder A, Seiter K, Ahmed T, Lim SH, Knoll BM. Late-onset fever and engraftment syndrome following autologous stem cell transplant: Impact on resource utilization. Am J Hematol. 2018 Oct; 93(10): E336-E338.
3. Parikh K, Kumar A, **Ahmed J**, Anwar A, Puccio C, Chun H, Fanucchi M, Lim SH. Peripheral monocytes and neutrophils predict response to immune checkpoint inhibitors in patients with metastatic non-small cell lung cancer. Cancer Immunol Immunother. 2018 Sep; 67(9): 1365-1370.
4. Kumar A, **Ahmed J**, Anwar A, Fanucchi M, Lim SH. Applicability of and potential barriers prevailing allogeneic stem cell transplant in sickle cell patients treated outside a sickle cell program. Am J Hematol. 2018 Jun; 93(6): E150-E152.
5. **Ahmed J**, Kumar A, Parikh K, Anwar A, Knoll BM, Puccio C, Chun H, Fanucchi M, Lim SH. Use of broad-spectrum antibiotics impacts outcome in patients treated with immune checkpoint inhibitors. OncoImmunology. 2018 Aug; Volume 7, Issue 11

6. Parikh K, Kumar A, **Ahmed J**, Anwar A, Puccio C, Chun H, Fanucchi M, Lim SH. Monocytes and neutrophils as a predictive marker of response to immune checkpoint inhibitors (ICI) in metastatic non-small cell lung cancer (mNSCLC). *Journal of Clinical Oncology*. 2018 May; 36 (15_suppl): e21165-e21165
7. Pathak S, Thekkekara RJ, **Ahmed J**, Kovarik P, Catchatourian R. CNS Relapse in Diffuse Large B-Cell Lymphoma Patients with Oral Cavity and Bone Marrow Involvement-Experience from an Inner City Hospital. *Blood*, 2016; 128:5409
8. Knoll BM, **Ahmed J**, Karass M, Aujla A, McHale P, Kretschmer P, Mazumder A, Seiter K, Ahmed T, Lim SH. Procalcitonin as a Biomarker to differentiate Bacterial Infections from Engraftment Syndrome following Autologous Hematopoietic Stem Cell Transplantation for multiple myeloma. *Am J Hematol*. 2018 Dec 14
9. Unique presentation of occult breast cancer with uterine cervix metastasis. Cimpeanu E¹, **Ahmed J**², Tricorico G³, Bardarov S⁴, Shulimovich M⁵, Lakhi N^{3,6}. *Clin Case Rep*. 2019 Jul 10;7(8):1573-1576
10. Emanuela Cimpeanu, **Jibran Ahmed**, Wahib Zafar, Adreana DeMarinis, Svetoslav S Bardarov, Shamim Salman, Dennis Bloomfield. Pembrolizumab - emerging treatment of pulmonary sarcomatoid carcinoma: A case report. *World J Clin Cases*. Jan 6, 2020; 8(1): 97-102

Posters:

1. Sindhu Malapati, MD, Sunny R K Singh, MD, Rohit Kumar, MD, **Jibran Ahmed**, MD, Ishaan Vohra, MD and Vatsala Katiyar, MD. In-Hospital Outcomes in Elderly Acute Myeloid Leukemia (AML) Receiving Aggressive Inpatient Care: An Analysis of National Inpatient Sample (NIS) Database between Years 2005 and 2014. American Society of hematology annual meeting, December 2019. *Blood* 134(Supplement_1): 2149-2149 · November 2019
2. Junaid Arshad, Ali Roberts, Jared A. Cotta, **Jibran Ahmed**, Brian A. Pico, Jonathan C. Trent. Utility of circulating tumor DNA (ctDNA) in the management of patients with gastrointestinal stromal tumor (GIST): Analysis of 152 patients. Poster presentation at The 2019 Gastrointestinal Oncology Conference, October 2019.
3. Sindhu Janarthanam Malapati, Sunny R K Singh, Rohit Kumar, **Jibran Ahmed**, Vatsala Katiyar, Ishaan Vohra. Geographic distribution of clinical trials for breast cancer across the United States, 2011-2015. *J Clin Oncol* 37, 2019 (suppl 27; abstr 140).
4. Parikh K, Kumar A, **Ahmed J**, Anwar A, Puccio C, Chun H, Fanucchi M, Lim SH. Monocytes and neutrophils as predictive markers of response to immune checkpoint inhibitors in metastatic non-small cell lung cancer. Poster presentation at 19th World conference on Lung Cancer, September 2018.

5. **Ahmed J**, Hamad H, Huzo O, Brecklin CS. Atypical Hemolytic Uremic Syndrome: Quality Measures for Detection. Poster presentation at American Society of Nephrology Annual meeting. J Am Soc Nephrol 27, 2016: 363A
6. Kumar R, **Ahmed J**, Thekkekara R, Kee R, Mahapatra E. Detection of Colorectal Cancer by screening methods Vs. Diagnostic colonoscopy in underserved population. Finalist at American College of Physicians national abstract competition; Washington D.C, USA. May 2016.
7. **Ahmed J**, Dayra A. Lymphoma Presenting as Angioedema. Annual research day at John H. Stroger Hospital of Cook County; Chicago, IL, USA. April 2016
8. **Ahmed J**, Arshad J. Lymphoma presenting as angioedema. American College of physicians Connecticut chapter meeting; Plainville, CT, USA. October 2015

Peer review:

Journal of immunotherapy of cancer

University Committees:

Member of Medicine GME peer review committee at Westchester Medical Center, New York Medical College.

Awards and honors:

1. World top in physics, O Level, university of Cambridge local examination syndicate 2003.
2. Presidents award for excellence in Pakistan, 2003.
3. FDA-ASCO Hematology and Oncology fellows' day workshop

Professional Societies:

American Society of Clinical Oncology (ASCO)
American Society of Hematology (ASH)

CURRICULUM VITAE

PERSONAL INFORMATION:

- Name: Sajjad Akbar Bhatti
- Cell: 904-993-0709
- E-mail: sajjad.bhatti90@gmail.com
- Mailing address: 8060 Farley Street, Apt 207, Overland Park, Kansas.

MEDICAL EDUCATION:

- 2008-13 Medical School.
Aga Khan University Medical College, Karachi, Pakistan.
- 2014-17 Internal Medicine Residency.
University of Kansas Medical Center, Kansas City, Kansas.
- 2017- Hematology/Oncology Fellowship.
University of Kansas Cancer Center, Westwood, Kansas.

CERTIFICATIONS:

- Board Certified, American Board of Internal Medicine.

MEDICAL LICENSURE:

- Kansas State Board of Healing Arts.
License Number: 94-08418.

ACADEMIC AWARDS/ HONORS/ SCHOLARSHIPS IN RESIDENCY:

- 2014-16 Excellence in Scholarship Award.

ACADEMIC AWARDS/ HONORS/ SCHOLARSHIPS IN MEDICAL SCHOOL:

- 2010 Honors in Anatomy.
- 2011 Honors in Forensic Medicine.

- 2011-13 Begum Shafiq Zia-Ul-Haq Scholarship.
- 2012 Honors in Psychiatry.
- 2012 Honors Call in Pediatrics.

USMLE SCORES:

- Step 1: 263.
- Step 2 CS: Pass, CK: 266.
- Step 3: 240.

PUBLICATIONS:

- Bhatti JA, Mehmood A, Shahid M, **Bhatti SA**, Akhtar U, Razzak JA. Epidemiological patterns of suicide terrorism in the civilian Pakistani population. International Journal of Injury Control and Safety Promotion. 2011 Sep 1;18(3):205-11.
- Abdelhakim H, **Bhatti SA**, Cantilena AR, Lin TL, Ganguly S, Singh AK, Abhyankar S, Lipe B, McGuirk J, Allin D, Shune L. Retrospective analysis of post-transplant complications in autologous hematopoietic cell transplantation in patients receiving hyperbaric oxygen therapy. Blood 2016 128:5816.
- **Bhatti SA**, Heldstab J, Lehn C, Tawfik O, Ash RM, Hout DR, Seitz RS, Bailey DB, O'Dea AP, Jensen RA, Fan F. Clinical activity of pembrolizumab in a patient with metastatic triple-negative breast cancer without tumor programmed death-ligand 1 expression: a case report and correlative biomarker analysis. JCO Precision Oncology. 2017 Aug 7;1:1-6.
- Abdelhakim H, Shune L, **Bhatti SA**, Cantilena AR, Lin TL, Ganguly S, Singh AK, Abhyankar S, Lipe B, McGuirk J, Allin D, Aljitawi O. Results of the first clinical study in humans that combines hyperbaric oxygen pre-treatment with autologous peripheral blood stem cell transplantation. Submitted to Biology of Blood and Marrow Transplantation: March 1,2019.

POSTER PRESENTATIONS:

- **Bhatti, S.A.**, & Neupane, P.C. (2019). Abscopal effect leading to spontaneous regression of metastatic adenoid cystic carcinoma. Poster presented at: Department of Internal Medicine research day; Kansas City, Kansas.
- **Bhatti, S.A.**, & Neupane, P.C. (2016). Long term survival of an elderly patient diagnosed with EGFR positive NSCLC with brain metastasis treated with erlotinib. Poster presented at: ACP Kansas Chapter Scientific Meeting; Kansas City, Kansas.

- **Bhatti, S.A.,** & Neupane, P.C. (2016). Crizotinib provides an effective and well tolerated treatment option for elderly patients with a poor performance status who have ROS1 positive non-small cell lung cancer. Poster presented at: Aga Khan University 10th Health Sciences Research Assembly; Karachi, Pakistan.
- **Bhatti, S.A.,** Rouse, M., & Pervez, A. (2016). "Doctor, my spidey sense is tingling." Poster presented at: Resident, Postdoc and Fellow Research Forum; Kansas City, Kansas.
- **Bhatti, S.A.,** Lin, T.L., & Pervez, A. (2016). A rare case of mixed phenotype acute leukemia. Poster presented at: Resident, Postdoc and Fellow Research Forum; Kansas City, Kansas.
- **Bhatti, S.A.,** & Baranda, J. (2015). Tailgut cyst with malignant transformation: a case report. Poster presented at: ACP Kansas Chapter Scientific Meeting; Wichita, Kansas.
- Treger, K., **Bhatti, S.A.,** Usman, F., & Bhatti, H.A. (2013). Sjogren's induced CD4+lymphocytopenia causing Pulmonary MAC (Mycobacterium Avium Complex) infection. Poster presented at: Chest Annual Meeting; Chicago, Illinois.

ADDITIONAL WORK EXPERIENCE

- 2018-Present EPIC Superuser.

As the designated EPIC superuser for the Hematology/Oncology department, I provide peer support and help my colleagues navigate the electronic medical record system. I test and troubleshoot new updates to EPIC and provide feedback before it is introduced to the general users. My responsibilities also include providing recommendations for improvement of BEACON which is the oncology-specific module of EPIC for ordering chemotherapy, with aim to make it safer and user friendly.

HOBBIES, INTERESTS AND ACTIVITIES

- Hiking, cycling, cooking.

ABHIJIT M. GODBOLE, MD, PhD

Email: abhijit.567@gmail.com, abhijitgodbole.md@gmail.com

Date: October, 2019

Career Goal:

Academic Hematology Oncology Position with opportunity to be involved early phase clinical trials

Highlights:

I earned a PhD in Molecular Oncology from University of Maryland in 2011. During my PhD, I was directly involved in pre-clinical development of Galeterone, an anti-androgen that successfully progressed to phase III clinical trial for castration resistant prostate cancer. During this time, I have worked closely with clinical investigators and gained valuable experience in Phase I clinical trials. I, along with other co-investigators have patented the anti-androgen technology developed in our laboratory.

I am currently enrolled in clinical Hematology Oncology program at UAMS Little Rock. My strong research potential is further indicated by my ability to write excellent research grant proposals. I have been the Winner of UAMS intra-mural clinical hematology oncology Grant proposal in the year 2017. I am also be the chief fellow of the Hematology/Oncology program for the year 2019-2020.

Education:

Medical School

B. J. Medical College

Bachelor of Medicine & Bachelor of Surgery

Pune, India

June 1999-May 2005

Graduate School

University of Maryland

PhD (Molecular Medicine)

Baltimore, MD

August 2006-May 2011

Medical Residency

St Barnabas Hospital

Internal Medicine

Bronx, NY

June 2012- June 2015

Hematology Oncology Fellowship

University of Arkansas for Medical Sciences

Little Rock, AR

July 2017- June 2020

Certifications:

Maharashtra Medical Council

2005

Medical Council of India

2005

American Board of Internal Medicine

2015

ACLS, BLS

Active until 2020

Medical Licenses:

Pennsylvania State Board of Medicine

Active through 12/31/2020

New York state board of Medicine

Active through 10/31/2021

Arkansas State Board of Medicine

Active through 09/30/2019

Louisiana State Board of Medicine

Active through 09/30/2019

DEA (NY)

Active through 2019

DEA (LA)

Active through 2021

Employment History:

Thomas Jefferson University, University of Maryland
Post-Doctoral Research Associate

June 2011- May 2012

Lehigh Valley Health Network Allentown PA
Attending Physician - Hospital Medicine

Aug 2015 - June 2017

Professional Society Membership:

2008 American Association for Cancer Research
2012 American College of Physicians
2017 American society of clinical oncology
2017 American society of hematology

Honors and Awards:

2008 Advanced to doctoral candidacy with distinction
2015 Resident of the year award for outstanding teaching qualities- St Barnabas Hospital, Bronx NY
2018 Winner of the intramural grant at UAMS for Hematology Oncology Fellows (The grant was rated NIH level score of 2- which has been the highest NIH level score obtained by any Fellow at UAMS in the last 15 years)

Research Credentials:

Scientific Editorial Responsibilities

Member of Associate Editorial Board of American Journal of Cancer Case Reports
Member of Associate Editorial Board of American Journal of Cancer Therapy and Pharmacology

Scientific Reviewer Responsibilities

Cancer – An American Cancer Society journal (Wiley Online Library)
Journal of Hematology and Oncology (Biomed Central)
Journal of Ethnopharmacology (Elsevier)
Tumor Biology (Springer)
Pulmonary Pharmacology and Therapeutics (Elsevier)
Clinical Medicine Insights: Oncology (Libertas Academica Journal New Zealand)
International Journal of Nutrition, Pharmacology and Neurological Diseases
American Journal of Cancer Case Reports
American Journal of Cancer Therapy and Pharmacology

Scientific Publications

Peer-reviewed journal articles

1. L.K. Gediya, P. Purushottamachar, A. Khandelwal, J. Mehta, **A. Godbole**, V.C.O. Njar *Novel atypical retinoic acid metabolism blocking agents (RAMBAs)/ CYP26 inhibitors for breast cancer therapy*. Invited abstract European journal of Cancer Supplements. **October 2008** Volume 6, Issue 12 page12
2. Robert D.Bruno, Puranik Purushottamachar , Lalji K. Gediya, Tadas S. Vasaitis, **Abhijit M. Godbole** , Angela M. H. Brodie and Vincent C. O. Njar *Synthesis and biological evaluations of putative metabolically stable analogs of VN/124-1 (TOK-001) analogs: Head to head anti-tumor efficacy evaluation of VN/124-1 (TOK-001) and abiraterone in LAPC-4 human prostate cancer xenograft model*. Steroids 76(12):1268-79. **Epub 2011 Jun 24**
3. Paul E. Goss, Shangle Qi, Haiqing Hu, Lalji K. Gediya, Puranik Purushottamachar, **Abhijit M. Godbole**, Vincent C.O. Njar *Anti-tumor effects of a novel retinoic acid metabolism blocking agent VN/14-1 in the N-methyl-N-nitrosourea (MNU)-induced rat mammary carcinoma model and its effects on the uterus* Breast Cancer Research and Treatment, 2012 May;133(1):137-44. **Epub 2011 Aug 14**
4. **Abhijit M. Godbole**, Vincent C. O. Njar *New insights into androgen targeted therapies and epigenetic therapies in prostate cancer*. Prostate Cancer, 2011 2011:918707. Epub **2011 Oct 12**
5. **Abhijit M. Godbole**, Puranik Purushottamachar, Marlena S Martin, Constantine Daskalakis, Vincent C. O. Njar *Autophagy inhibition synergistically enhances anti-cancer efficacy of RAMBA, VN/12-1 in SKBR-3 cells and tumor xenografts* Mol Cancer Ther. 2012 Apr; 11(4):898-908. **Epub 2012 Feb 14**
6. **Abhijit M. Godbole**, Puranik Purushottamachar, Marlena S Martin, Vincent C. O. Njar *Murine toxicology and pharmacokinetics evaluation of retinoic acid metabolism blocking agent (RAMBA), VN/12-1*. Cancer Chemother Pharmacol. 2012 Aug; 70(2):339-44. doi: 10.1007/s00280-012-1877-z. **Epub 2012 May 13**
7. Puranik Purushottamachar , **Abhijit M. Godbole**, Lalji K Gediya , Marlena S Martin , Sean T Vasaitis, Andrew K Kwegyir-Afful , Senthilmurugan Ramalingam , Zeynup Ates-Alagoz , Vincent C. Njar *Systematic structure modifications of multitarget prostate cancer drug candidate galeterone to produce novel androgen receptor down-regulating agents as an approach to treatment of advanced prostate cancer*. J Med Chem. 2013 Jun 27; 56(12):4880-98. doi: 10.1021/jm400048v. **Epub 2013 Jun 7. (Equal contributor 1st author)**
(* A figure in this manuscript featured on the cover page of this journal.)
8. **Abhijit M. Godbole**, Ramalingam S, Ramamurthy VP, Khandelwal A, Bruno RD, Upreti VV, Gediya LK, Purushottamachar P, Mbatia HW, Addya S, Ambulos N, Njar VC *VN/14-1 induces ER stress and autophagy in HP-LTLC human breast cancer cells and has excellent oral pharmacokinetic profile in female Sprague Dawley rats*. Eur J Pharmacol. 2014 Apr 12 (Epub ahead of print)

Peer-reviewed Case reports:

Meera Mohan, Pankaj Mathur, Aasiya Matin, Robert Archer, Naveen Yarlagadda, **Abhijit Godbole**, Paulette Mehta, Sharmilan Thanendrarajan *Guillain-Barre Syndrome in newly diagnosed multiple myeloma patients treated with bortezomib: Two case reports* Open Access Text

Book Chapters

1. **Abhijit M. Godbole**, Vincent C.O. Njar. *Prostate Cancer: Current and emerging therapies*, Current Cancer Treatments – Novel beyond Conventional Approaches, Oner Ozdemir (Ed) (ISBN 978-953-307-397-2) Available from: <http://www.intechopen.com/articles/show/title/prostate-cancer-current-and-emerging-therapies> July **2011**

2. **Abhijit M. Godbole**, Senthilmurugan Ramalingam, Vincent C. O. Njar *Role of dietary polyphenols in cancer prevention by epigenetic modulation*. In Food as Medicine. Essa MM, Memon MA (eds); New York. Nova Science Publishers, Inc. **2013**, 375-390.
3. Senthilmurugan Ramalingam, **Abhijit M. Godbole**, Vincent C. O. Njar *Modulation of intracellular signaling circuits by dietary food constituents: facts and fantasies for cancer prevention and therapy*. In: Food as Medicine. Essa MM, Memon MA (eds); New York. Nova Science Publishers, Inc. **2013**, 375-390.

Abstracts/Posters in Conferences

1. Njar, V. C. O, Khandelwal, A., Gediya, L. K., Purushottamachar, P. **Godbole, A.** *Novel Atypical Retinoic Acid Metabolism Blocking Agents (RAMBAs) for Treatment of Cancers*. **2nd International Interdisciplinary Conference on Vitamins, Coenzymes and Biofactors**, Athens, GA, USA, **October 26-31, 2008**. –Invited talk and abstract.
2. Njar VCO, Gediya L, Purshottamachar P, **Godbole A**, Khandelwal A. 'Novel a typical retinoic acid metabolism blocking agents (RAMBAs), ATRA, and Histone deacetylase inhibitors (HDACs) for breast cancer therapy'. Oral presentation S-27-13, Molecular Pathology-II, and poster P 8-4 MHRF conference held at Kansas Citi, Missouri Aug 31, 2009.
3. **Godbole AM**, Purushottamachar P, Gediya LK, Njar VCO. *Potential clinical therapeutic for endocrine resistant breast cancer: combination of VN/12-1 and chloroquine*. Oral presentation at Graduate Research Conference 2010, University of Maryland Baltimore. April 8, 2010.
4. **Godbole AM**, Purushottamachar P, Gediya LK, Njar VCO. *Inhibition of autophagy enhances the anticancer activity of the retinoic acid derivative VN/12-1 in endocrine resistant human breast cancer cell lines*. Poster presentation at American association for cancer research 101st annual meeting 2010 Washington DC, USA, April 17-21, 2010. Abstract Number: LB-340.
5. **Godbole AM**, Purushottamachar P, Gediya L, Njar VCO. *The combination of VN/12-1 and chloroquine shows improved efficacy over all Trans retinoic acid (ATRA) in a HER2 over-expressing SK-BR3 breast cancer xenograft model*. Poster presentation at 03 April, 2011 AACR. Abstract number: 659.
6. Purushottamachar P, **Godbole AM**, Gediya LK, Ates-Alagoz Z, Njar VCO. *Exploitation of multitarget prostate cancer clinical candidate VN/124-1 (TOK-001) to develop a novel class of androgen receptor down regulating agents for prostate cancer therapy* poster presented at 242nd ACS National Meeting held in Denver, CO, August 28 – September 1, 2011. PAPER ID: MEDI 35
7. Gediya LK, **Godbole AM**, Ramalingam S, Law M, Martin MS, Purushottamachar Puranik, and Njar VCO *Development of Second Generation Atypical RAMBAs for Triple Negative Breast Cancer Therapy* poster presented at 244th ACS National Meeting to be held in Philadelphia, PA, August 19-23, 2012.

Scientific Patents:

1. Njar, Vincent C.O.; Purushottamachar, Puranik, **Godbole, Abhijit M.**, Gediya Lalji K., Kwegyir-Afful, and Vasaitis and Felicia and Martha 'Androgen receptor downregulating agents and uses thereof'. PCT Patent Application Number: Publication Number US 2016-0000808.

Immigration Status:

U.S. Permanent Resident (Green Card)

References:

Available upon request

PERSONAL

Name: Sravani Gundarlapalli
Gender: Female
Date of Birth: 09/23/1985
Marital status: Married
E-mail: sravani2k4@gmail.com

Home Address: 307 Fox ridge dr
Dublin, GA, 31021
Phone: 773-844-4227

VISA STATUS: H-1

EDUCATION

Residency: Internal Medicine 2014-2017
St. Joseph's Mercy Oakland Hospital, Pontiac, MI

Medical school: M.B.B.S, 2004 -2010 (Including Internship)
Kurnool Medical College, Kurnool, India
N.T.R University of Health Sciences

Internship: St. Joseph's Mercy Oakland Hospital, Pontiac, MI; 2014-2015
Kurnool General Hospital, Kurnool, India, 2009-2010

Research Experience

Research on Multi drug resistant tuberculosis, with Dr.Sridevi,M.D, Professor of Community Medicine

Work Experience

Hospitalist : Fairview Park Hospital, Dublin, GA. 2017- Current

Poster Presentation

Gundarlapalli,S. (2010). *Patient satisfactory survey in Government General Hospital.* . Poster presented at: Indian Public Health; Vishaskapatnam, India.

Oral Presentation

Gundarlapalli,S. (2006). *Diabetes update.* Oral Presentation presented at: Kurnool Medical College Golden Jubilee; Kurnool, India.

BOARD CERTIFICATIONS

Education Commission for Foreign Medical Graduates, Certificate # 08170938
Andhra Pradesh Medical Council, India
Indian Medical Council
American Board of Internal Medicine Certified

MEDICAL LICENSES

Georgia state(Active)

Membership and Honorary/Professional Societies

Member, American College of Physicians
Member, American Medical Association
Member, Indian Medical Council

Medical School Honors / Awards

1. Certificate of Excellence for oral presentation on Diabetes update, Jan 2006.
2. Certificate of Excellence from Department of Community medicine for Pulse Polio awareness, March 2010.
3. Award from the School Dean for First class (top 10th percentile)

COMMUNITY AND VOLUNTEER SERVICES

Bill Gates foundation, India. Kurnool Medical College, India; 2010
Volunteer in Pulse Polio Immunization program; 2010
Center for AIDS Research and Organization, India; 2007

JOYCE G. HABIB MD.

Phone:
+961 81 668 017 (Beirut)
+971 56 415 8598 (UAE)

Email:
joycehabib@hotmail.com

Education

September 2014- March 2015

Breast oncology training (focus on clinical trials) Jules Bordet institute, Brussels

July 2012-June 2014

Medical oncology Fellowship at Baylor Medical Center, Texas
Mentor: Joyce O'Shaughnessy MD

July 2009-June 2012

Internal medicine residency training at the Ohio State University,
Ohio
Mentor: Manisha Shah MD

2006- 2007

Completed the first year of residency in Internal Medicine
PGY1 at the American University of Beirut Medical Center

2002- 2006

Medical Doctorate degree (MD)
American University of Beirut, Lebanon
Dean's Honor list

1999- 2002

Bachelor of Science (BS) in Biology
American University of Beirut, Lebanon
Graduated with Distinction

1984-1999

College des Sœurs de la Sainte Famille Française,
Fanar Beirut, Lebanon
Graduated with Distinction

Certificates

ABIM Board certification: Internal medicine (October 2013)

ABIM Board certification: Medical Oncology (November 2014)

Special interest

BREAST CANCER

Awards

INTERN OF THE YEAR AWARD (AUBMC, 2007)

ASCO MERIT AWARD (2014)

Work experience

SEPTEMBER 2017- JANUARY 2019: Consultant and head of Oncology Center at Healthbay Polyclinic, Dubai, UAE (2 weeks/month). Healthbay Oncology Center was created to mirror the outpatient model I have been exposed to throughout my training in the US. In addition to treating most solid tumors, the center offered a one-stop breast clinic devised to expedite patients' diagnosis and treatment.

Contract with American Hospital (Dubai) for inpatient admissions

JANUARY 2019- PRESENT: Part-time Oncology consultant at Novomed clinic, Dubai, UAE.

JANUARY 2016 - PRESENT: Medical Oncologist at Fouad Khoury Hospital, Makassed General Hospital and Sacre Coeur Hospital, Beirut., Lebanon (part-time)
Although my area of expertise is breast cancer, I see and treat most solid tumors and hematological malignancies.

OCTOBER 2016 - PRESENT: Founder of *FACE Cancer* – a non-governmental organization aiming to improve cancer literacy in the Middle East. We provide educational material in Arabic to cancer patients and caregivers

**Research
experience**

SEPTEMBER 2014 - MARCH 2014: Medical advisor, Jules Bordet Institute, Brussels under the supervision of Dr Martine Piccart.

Description: At Bordet, I was assigned several projects, including:

- IBCSG 2200 translational study proposal (accepted)
- RHEA study protocol design (study withdrawn)
- APHINITY trial (medical advisor)

Unfortunately, my time at Bordet was cut short and I had to leave earlier than initially intended because of personal/familial reasons.

Teaching experience

Assistant Professor at the Lebanese American University (LAU)

Course: HLT 201 (2 semesters)

Course syllabus: basic human anatomy, physiology of human organ systems in normal and in pathological conditions

Professional societies: ASCO

Licenses:

Ministry of Health License to practice as Medical Oncologist in Lebanon, issued in 09/2015

Dubai Health Authority License: Consultant Medical Oncologist, issued in 09/2017

Publications / Presentations:

- Postmastectomy radiation therapy in women with T1-T2 tumors and 1 to 3 positive lymph nodes: Analysis of the Breast International Group 02-98 Trial. Int J Radiat Oncol Biol Phys 2018 101(2): 316-24 (Co-author)
- The Hedgehog Pathway in Triple-Negative Breast Cancer, Cancer Med. 2016 5(10): 2989-3006
- Managing Breast Cancer in Young Women (chapter 2), Fertility Preservation and Reproduction Biglia, Peccatori (eds)

- Vitamin D Levels and their Association with Triple-Negative Breast Cancer: Results of a Community Multi-practice Study in the United States. Manuscript submitted to *Breast Cancer Research*. Currently under review
- Vitamin D Levels, Triple-Negative Histology, and Geography in Breast Cancer: A Retrospective Analysis of a Large Database of Oncology Practices in the United States (retrospective). Poster presentation ASCO Breast 2014
- Secondary Non-Breast Malignancies (SNBM) after Primary Breast Cancer (BC) (retrospective). Poster presentation ASCO Breast 2014
- Outcomes of Patients with Multiple Myeloma Treated with Novel agents Followed by Autologous Stem Cell Transplantation: A Retrospective Study. Poster presentation ASH 2010

Languages Excellent command of English, French and Arabic
 Beginner level in Spanish

Saira Hassan, M.D., M.B.B.S

yhassan555@gmail.com

304 216 7408

EDUCATION

9/2010 to present Consultant Hematologist Oncologist in private hospital setting.

June 2013 to august 2013 Internal Medicine Del Rio, Texas

1/2009 to 9/2010 Locum Tenen physician working with Linde Healthcare.

11 /2009 Board Certified in Hematology and Oncology.

6/2006 to 06/2009 Clinical fellow Hematology Oncology Baylor College of Medicine, Houston

Fellowship includes eight months of subspecialty clinical and research electives at MD Anderson Cancer Center

1997 to 2002 Internal Medicine residency University of Texas Houston

1986 to 1993 King Edward Medical College, Lahore, Pakistan MBBS

1984 to 1986 Kinnaird College, Lahore, Pakistan, Pre Medical

RESEARCH

UT Southwestern, Dallas, Texas

Projects include:

1. Identification of targets of drug resistance in breast cancer cell lines
2. Studies on pro apoptotic agents (smac mimetics)
3. Mechanisms of trastuzumab resistance

My role in the laboratory has included the characterization of phenotypes of primary breast cancer cell lines, including dose-response curves to chemotherapy and targeted agents in relationship to gene expression profiles. We have identified several candidate genes associated with treatment-specific resistance and are in the process of validating these using gene knock-down experiments. We have examined the effects of a novel smac mimetic (developed at UT by Xiadong Wang and colleagues) in combination with chemotherapy/ radiation. Trastuzumab-resistant cell lines are being characterized at the gene expression level and we are collaborating with our Cancer Proteomics Core to identify phosphoproteins associated with resistance. Our long term objectives are to identify resistance genes and to develop pharmacological methods to target these genes.

PROFESSIONAL EXPERIENCE

June 2013 2010 to present	Internal Medicine clinic Del Rio Texas Consultant Hematology Oncology Shaukat Khanum Cancer Hospital , Lahore.
2009 – 2010	Locum Tenen physician with Linde Healthcare
2004- 2006	Staff Physician, Veterans Affairs Hospital Dallas

ABSTRACTS AND PUBLICATIONS

Hassan Y, Shapira AR, Hassan S. B-type natriuretic peptide in heart failure. N Engl J Med. 2002 Dec 12;347(24):1976-8.

Hassan Y, Gupta G, Hassan S. Insulin combination therapy in type 2 diabetes mellitus. Ann Intern Med. 2004 Apr 20;140(8):666.

Hassan S, Tripathy D. Therapeutic Targeting of Apoptosis Pathways. Manuscript in preparation.

Hassan S, Trent John Soft tissue Sarcoma treatment British medical journal.

PRESENTATIONS

Rh 17 Alloimmunization in pregnancy June 2008

Mastocytosis Presentation and treatment Sept 2007

Copper deficiency masquerading as Myelodysplasia. 2007

Translocation (8,13) Myeloproliferative disorder. Sept 2008

Role of Stem cell transplant in POEMS syndrome

Guillian Barre Syndrome lecture at UT Houston (2001)

Evaluation of Shoulder Joint pain for residents and interns - Chief Medical Resident conference – UT Houston (April 2002)

Effect of Smac mimetic on breast cancer cells with and without chemotherapy – UT Southwestern Breast Program Meeting (July 21, 2004)

Monograph of Soft tissue sarcoma 2009 British Medical Journal.

LICENSURE AND BOARD CERTIFICATION

United States Medical Licensing Examination

Certified by American Board of Internal Medicine

Licensed in Texas

PROFESSIONAL SOCIETY MEMBERSHIPS

- **Harris County Physician's Association, Houston, TX**
- **North American Pakistani Physicians Association.**
- **Diplomat Board of Internal Medicine in August 2002**
- **Member, Blood Donor Society**
- **American Society of Clinical Oncology**

Volunteer Activities

Did volunteer work during tropical storm Allison in 2001

Organized blood donation drives with one of the largest organizations in Lahore, Pakistan

Charity Clinic in Islamic Association of North Texas, providing health care to uninsured and medically underserved population of Richardson and north Dallas

PERSONAL

US CITIZEN

References provided upon request

ERIKA SANTOS HORTA

Address: 555 Brush St apt 1706, Detroit, MI 48226

Telephone number: (507) 250-5880

Email: erks2@yahoo.com

Ehorta1@hfhs.org

EDUCATION

Clinical Fellowship in Neuro-Oncology, Henry Ford Hospital, Detroit, MI	7/2018-Present
Residency in Neurology, University of Minnesota, Minneapolis, MN	6/2018
Fellowship in Research, Neuro-Immunology Laboratory, Mayo Clinic, Rochester, MN	6/2014
Research Trainee, Neuro-Immunology Laboratory, Mayo Clinic, Rochester, MN	9/2011
Clinical Fellowship in Neuro-Immunology, University of São Paulo Ribeirão Preto, Brazil	9/2010
Residency in Neurology, University of São Paulo, Ribeirão Preto, Brazil	2/2010
Medical Doctor, University of São Paulo, Ribeirão Preto, Brazil	11/2006
Bachelor in Science in Applied Physics, University of Campinas, Campinas, Brazil	01/2000

CLINICAL APPOINTMENTS

Attending Physician, Ribeirão Preto General Hospital and Ribeirão Preto School of Medicine, Ribeirão Preto, Brazil	9/2010-3/2011
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Other Professional Service Roles

Electroneuromyography Monitor, in American Academy of Neurology 64 th Annual Meeting 2012, New Orleans, LA	4/2012
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Other Courses

2019 National Institute of Neurological Disorders and Stroke Clinical Trials Methodology Course	5-7/2019
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SCHOLARSHIPS

Multiple Sclerosis International Foundation - McDonald Fellowship	6/2011-6/2013
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RESEARCH

Co-Principal Investigator, 2011 Multiple Sclerosis International Foundation - McDonald Fellowship Mayo Clinic, Rochester, MN, USA Impaired cobalamin metabolism, multiple sclerosis and neuromyelitis optica- is there a connection?	6/2011-6/2013
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Co-Principal Investigator, FAPESP Undergraduate Research Project Fundação de Amparo à Pesquisa do Estado de São Paulo (São Paulo Research Foundation) - Undergraduate Research Project Ribeirão Preto Medicine School - São Paulo University, Ribeirão Preto, SP, Brazil	2003-2005
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A study on the evolution of behavior in recurrent and spontaneous seizures using a computer model

Co-Principal Investigator, 1998
Fundação de Amparo à Pesquisa do Estado de São Paulo (São Paulo Research Foundation) - Undergraduate Research Project
Gleb Wataguin Physics Institute - Campinas University, Campinas, SP, Brazil
Effects on the erbium doping in hydrogenous amorphous silicon

Co-Principal Investigator, PIBIC/CNPq Undergraduate Research Project 1997
Conselho Nacional de Desenvolvimento Científico e Tecnológico (National Council of Scientific and Technological Development) Undergraduate Research Project
Gleb Wataguin Physics Institute - Campinas University, Campinas, SP, Brazil
Determination of roots in a polynomial equation

PUBLICATIONS

- Flanagan EP, Weinshenker BG, Krecke KN, Lennon VA, Lucchinetti CF, McKeon A, Wingerchuk DM, Shuster EA, Jiao Y, **Horta ES**, Pittock SJ. Short myelitis lesions in aquaporin-4-IgG-positive neuromyelitis optica spectrum disorders. *JAMA Neurol.* 2015;72:81-7. PMID: 25384099.
- Horta ES**, Lennon VA, Lachance DH, Jenkins SM, Smith CY, McKeon A, Klein C, Pittock SJ. Neural autoantibody clusters aid diagnosis of cancer. *Clin Cancer Res.* 2014;20:3862-9. PMID: 24833664.
- Apiwattanakul M, Asawavichienjinda T, Pulkes T, Tantirittisak T, Hemachudha T, **Horta ES**, Jenkins SM, Pittock SJ. Diagnostic utility of NMO/AQP4-IgG in evaluating CNS inflammatory disease in Thai patients. *J Neurol Sci.* 2012;320:118-20. PMID: 22831763.
- Horta E**, McKeon A, Lennon VA, Benarroch EE. Reversible paraneoplastic tonic pupil with PCA-Tr IgG and Hodgkin lymphoma. *Neurology.* 2012;78:1620-2. PMID: 22551727.

Published Abstracts

- Horta E**, Dhruv P, Ashe J. A case of secondary Parkinsonism responsive to Ibrutinib. *Neurology.* 2017;88(16 Suppl):P2.209.
- Horta E**, Tore H, Kent N, Ezzeddine M, Streib C, Reshi R. Prevalence of ischemic stroke in cohort of ulcerative colitis patients. *Neurology.* 2017;88(16 Suppl):P3.256.
- Fryer J, Lennon V, Pittock S, Jenkins S, Clardy S, **Horta E**, Jedynak E, Lucchinetti C, Shuster E, Weinshenker B, Wingerchuk D, McKeon A. AQP4-IGG assays comparison in laboratory clinical service. *Neurology.* 2014;82(10 Suppl):S63.004.
- Horta E**, Jenkins S, Smith C, McKeon A, Lennon V, Pittock S. A mathematical analysis of neural autoantibody clusters encountered in sera of 78,889 patients undergoing comprehensive paraneoplastic autoantibody evaluation. *Neurology.* 2013;80(7 Suppl):S29.006.

BOOK CHAPTERS

- Walbert T, **Horta E**, Impact of treatments on quality of life. In: Central Nervous System Metastases, Springer ed. (in press.)

PRESENTATIONS

Invited Oral Presentations

Horta E. Clinical phenotypes of paraneoplastic syndromes. Presented at: XXVI Brazilian Congress of Neurology; Curitiba, Brazil, November 2014.

Horta E. Treatment of the paraneoplastic syndromes. Presented at: XXVI Brazilian Congress of Neurology; Curitiba, Brazil, November 2014.

Oral Presentation

Horta ES. Determination of roots in a polynomial equation with software support. Presented at: VI Internal Congress of Basic Research of the State University of Campinas; Campinas, Brazil; November 16, 1998.

Poster Presentations

Horta E, Bongiorno C, Ezzeddine M, Neil E. A meta-analysis determining the prevalence of treatment-associated neurotoxicity in cancer-directed immunotherapy with antibodies.. Poster accepted to be presented at: American Academy of Neurology 71st Annual Meeting; Philadelphia, PA; May 2019.

Bongiorno C, **Horta E.** Addressing high risk patient population in the VA healthcare system with patient engagement and education with the creation of an expanded treatment plan and health summary through the electronic medical record. Poster accepted to be presented at: 2019 Wisconsin Health Literacy Summit. A sharper view through the lens of the health of literacy; Madison; WI; April 2019.

Horta ES, Jenkins SM, Lennon VA, Smith CY, McKeon A, Pittock SJ. A mathematical analysis of neural autoantibody. Poster presented at: Research Fellows Day, Mayo Clinic; Rochester, MN; October 2013.

Horta ES, Pittock SJ, McKeon A, Algeciras-Schimmich A, Snyder M, Lennon VA. Serological evidence for autoimmune gastritis in patients with multiple sclerosis, neuromyelitis optica and suspected autoimmune myelopathy or optic neuritis. Poster presented at: 4th Tykeson Fellows Conference, National Multiple Sclerosis Society; Denver, CO; November 2013.

Barreira AA, **Horta ES,** Ramos JO, Brum DG, Toscano P, Marques VD, Marques W Jr. A patient and three neuropathies. Poster presented at: Peripheral Nerve Society Biennial Meeting; Potomac, MD; June 2011.

Dos Santos BL, **Horta ES,** Pittella JEH, Santos AC, Brum DG, Barreira AA. Acute multiple sclerosis (Marburg disease) with low CSF glucose: atypical presentation mimicking neuroinfection. Poster presented at: XXIV Brazilian Congress of Neurology; Rio de Janeiro, Brazil; August 2010.

Horta ES, Meira LM, Brum DG, Ramos JO, Toscano P, Marques VD, Marques W Jr, Barreira AA. A case with association of chronic inflammatory demyelinating polyradiculopathy (CIDP), Charcot-Marie-Tooth I (CMT I) disease and type II diabetic polyneuropathy. Poster presented at: XXIV Brazilian Congress of Neurology; Rio de Janeiro, Brazil; August 2010.

Won-Held AG, Ramos JO, **Horta ES,** Onofre PT, Marques VD, Marques W Jr, Barreira AA. Acute onset multifocal motor neuropathy responsive to rituximab. Poster presented at: XXIV Brazilian Congress of Neurology; Rio de Janeiro, Brazil; August 2010.

Scarlatelli-Lima AV, Lima JE, **Horta ES**, Leite JP. Wernicke encephalopathy in a non-alcoholic patient with mood disorder. Poster presented at: XXIII Brazilian Congress of Neurology, Belem, Para, Brazil, August 20, 2008.

Cairrão MAR, Rossetti F, Foresti ML, Arisi GM, Dal-Cól MLC, Furtado MA, Bertti P, Fernandes A, **Horta ES**, Santos FL, Vecchio FD, Cortes de Oliveira JA, Garcia-Cairasco N. Studies about 'wet dog shakes' and head shakes behaviors in experimental models of rats fits. Poster presented at: XXIX Brazilian Epilepsy Congress, Ribeirão Preto, São Paulo, Brazil; June 4, 2004.

TEACHING AND CURRICULUM DEVELOPMENT

My experience in USA as a resident, Video Conference for University of São Paulo for the Residency Workshop 2018 at Ribeirão Preto Medical School, Ribeirão Preto, Brazil	3/2018
Cerebellum to Midbrain, at Neuroanatomy Laboratory for Medical Students, University of Minnesota, Minneapolis, USA	2/2015
About paraneoplastic disorders, Video Conference for University of São Paulo, for the Residency Class, Ribeirão Preto Medical School, Ribeirão Preto, Brazil	8/2013

PROFESSIONAL CERTIFICATION AND SOCIETY MEMBERSHIPS

Neurology Board Certification	12/2018-Present
Society for Neuro-Oncology	10/2016-Present
American Academy of Neurology	5/2011-Present

COMMUNITY OUTREACH

Lecturer, Reflections on multiple sclerosis, Ribeirão Preto Multiple Sclerosis Patient Association	12/04/2010
Website Collaborator, Jornal Eletrônico de Atualizações em Neurologia	2011-2013

**C A N D I D A T E
S U M M A R Y
ERIKA HORTA M.D.**

Verification of License

Dr. Horta informed us she is licensed in the states listed below. Internet and/or telephone verification on June 21, 2019 revealed the following information.

State	License No.	Issue Date	Expiration Date	Status	Disciplinary Action
MI	4301116044	06/21/2018	01/31/2022	Active	None
MI – Drug	5315094193	06/21/2018	01/31/2022	Active	None
MN - Training	Unable to verify via phone/state website				
DEA	None Found				
NPI	1720408354	04/22/2014	-	Last Updated: 04/22/2014	-
OIG	-	-	-	-	None

Board Certification

Dr. Horta is certified as follows by the American Board of Psychiatry & Neurology.

Neurology - General				Status: Certified	
Status	Duration	Occurrence	Start Date - End Date	Reverification Date	Participating in MOC
Active	MOC	Initial Certification	09/24/2018 -	03/01/2020	Yes

CURRICULUM VITAE

James Lopez

4301 W Markham St, Little Rock, AR 72205

Division of Internal Medicine

Work/Cell phone number: 985-991-9074

Email: jlopez@uams.edu

Date of Birth: March 28, 1991
Citizenship: USA
Marital Status: Single

Education:

8/09-5/13

Nicholls State University, Thibodaux, LA

B.S.; Biology major, chemistry and humanities minor; Summa Cum Laude; 3.99 GPA

7/13-5/2017

Louisiana State University Health Sciences Center in Shreveport, Shreveport, LA

M.D. 5/2017

USMLE Step 1: 221 USMLE Step 2: 250 USMLE Step 3: 226

Class rank: top 25%

Work Experience (prior to residency):

5/12-4/13

Rouses Supermarkets

Job title: Stocker

Professional Societies:

American College of Physicians

American Medical Association

Louisiana State Medical Society

Arkansas Medical Society

Publications:

- Johnson JS, Lopez JS, Kavanaugh AS, Liang C, Mata DA. A 25-Year-Old Man with Exudative Retinal Detachments and Infiltrates without Hematological or Neurological Findings Found to Have Relapsed Precursor T-Cell Acute Lymphoblastic Leukemia. *Case Rep Ophthalmol.* 2015;6(3):321–327. Published 2015 Sep 15. doi:10.1159/000439375
- Udaondo, Z., Wongsurawat, T., Jenjaroenpun, P., Anderson, C., Lopez, J., Mohan, M., Tytarenko, R., Walker, B., Nookaew, I., Ussery, D., Kothari, A., Jun, S.. Draft genome sequences of 48 vancomycin resistant *Enterococcus faecium* strains isolated from inpatients with bacteremia and urinary tract infections.. *Microbiology Resource Announcements.* 2019, Apr; 8(15): pii: e00222-19. Cited in PubMed; PMID: 30975810.
 - Presented at: ASM Microbe 2019, San Francisco, CA.
 - Presented at: Human Genome Meeting 2019, Seoul, South Korea.
- Lopez, J., Yarlagadda, N., Gheith, Z., Mohan, M., & Sasapu, A, (2019) Nivolumab-induced immune-mediated neurotoxicity in Hodgkin lymphoma, Baylor University Medical Center Proceedings, DOI: [10.1080/08998280.2019.1668719](https://doi.org/10.1080/08998280.2019.1668719)

Hobbies

Running and exercise

Amateur chef

Computer technology

History

Christopher Jean-Louis

Navicent Medical Center
777 Hemlock St.
Macon, GA 31204
(404) 451-3083 yecal12@hotmail.com

EDUCATION

2014-2020	Navicent Medical Center, General Surgery Residency, June 2020 (anticipated)
2009-2014	University of North Texas Health Science Center, DO, May 2014
2013-2014	University of North Texas Health Science Center, MPH, May 2014
2008-2009	University of North Texas Health Science Center, M.S. Medical Sciences, June 2009
2003-2007	Savannah State University in Savannah, GA, BS, Biology May 2007

HONORS AND AWARDS

2012	Awarded Rural Scholars Medical Student Scholarship via the Rural Osteopathic Medical Education Program.
2011	Honor Roll status (top 50% of class) at UNT Health Science Center Texas College of Osteopathic Medicine.
2010	Math and Science Academy award for excellence in tutoring and mentoring middle school and high school students.
2010	“Disadvantaged Students Medical School Scholarship” award for minority students
2007	Graduation with Honors in Biology (Cum Laude).
2007	Awarded travel scholarship for research presentation at the Annual Biomedical Research Conference for Minority Students (ABRCMS) in Austin, TX.
2006	Awarded 2 nd place at the Peach State Louis Stokes Alliance for Research Participation in Athens, GA.
2004-2007	Dean’s List at Savannah State University.

PUBLICATIONS

(2018) “ *Evaluating the Frequency of Upgrade to Malignancy following Surgical Excision of High Risk Breast Lesions and Ductal Carcinoma in Situ Identified by Core Needle Biopsy in The Breast*” Navicent Health Medical Center

(2018) “ *Gallbladder Volvulus in Adolescent Male*”, Navicent Health Medical Center

(2018) “ *Alveolar Rhabdomyosarcoma of the Breast in Adolescent Female*” , Navicent Health Medical Center

(2016) “*The Pathologic Finding of Combined Lobular Carcinoma in situ and Invasive Lobular Cancer May Indicate More Than Just a High Risk Marker Role of Lobular Carcinoma in situ*”, Navicent Health Medical Center

POSTER PRESENTATIONS/RESEARCH

(2013) “*Thromboelastography Markers in Predicting Deep Venous Thrombosis*”, John Peter Smith Hospital; Fort Worth, TX.

(2013) “*Multidisciplinary Rounds in Decreasing Length of Hospital Stay*”, John Peter Smith Hospital; Fort Worth, TX

(2011) *Adult Onset Type 1 Diabetes Mellitus with Insulin Resistance* (Poster Presentation) University of North Texas Health Science Research Appreciation Day Forum; Fort Worth, TX

(2007) *Photodynamic Therapy, Binding differences of Serum Proteins to Photosensitizing Agents* (Poster Presentation) Savannah State University
Peach State Louis Stokes Alliance for Minority Participation Conference Athens, GA

WORK EXPERIENCE

- | | | |
|--------------|---|--|
| 2012 | - | Anatomy Lab Teaching Assistant |
| | | o Consisted of doing prosections for medical students |
| 2011-present | - | Doctors in Training Board Preparation Program |
| | | o Student reviewer of board preparation questions. |
| 2009-present | - | Center for Academic Performance (CAP) tutor |
| | | o Consisted of mentoring and tutoring medical students within different courses in medical school. |

COMMUNITY SERVICE

- | | | |
|-----------|---|--|
| 2009-2013 | - | Over 150 hours served volunteering at local homeless shelters (Presbyterian Night Shelter and Day Resource Center) in Fort Worth, TX |
| 2009-2010 | - | Education and screening for hypertension and diabetes at the African Health Expo in Fort Worth, TX |

INSTITUTIONAL SERVICE

- | | | |
|--------------|---|---|
| 2011-present | - | Parliamentarian for Region III Student National Medical Association |
| 2010-2011 | - | Medical Student Government Association-1 st Vice President |

- Acting as a representative for the Texas College of Osteopathic Medicine student body. Addressing issues such as:
 - Course curriculum
 - Students needs and issues
 - Representative for medical students across the nation at the Council of Osteopathic Student Government Presidents Conference
 - Organized the National Osteopathic Medicine (NOM) week at the UNT Health Science, spreading awareness of Osteopathic Medicine to both the students and the community
- 2009-2011 - Student National Medical Association-Vice President
 - Helped develop a Mini Medical School in which 76 minority 5th and 6th graders were educated on the pathway to medicine
 - Helped develop the AKA workshop in which 100 minority 5th and 6th grade were introduced to human anatomy
 - Administered blood pressure and glucose screenings at barbershops and beauty salons across the Dallas/Fort Worth Metroplex
- 2009-2010 - American Medical Student Association-Co-President
 - Helped organize lecture series educating students on the political aspects of medicine

AASIYA MATIN, M.D.

412 3rd Avenue SE, Apt 405 • Rochester • MN•55904
(501) 231-7936 •matinaasiya@gmail.com

EDUCATION AND CERTIFICATION

- | | |
|--|----------------------------|
| <input type="checkbox"/> Advanced Bone Transplant Fellowship from Mayo Clinic, Rochester, MN | <i>Jul 2019-Jun 2020</i> |
| <input type="checkbox"/> Hematology-Oncology Fellowship at the University of Arkansas for Medical Sciences (UAMS), Rockefeller Cancer Center, Little Rock, AR. | <i>Jul 2016-Jun 2019</i> |
| <input type="checkbox"/> Clinical Transitional Science Certificate, Cancer Cell Biology, the University of Arkansas for Medical Sciences (UAMS) | <i>Jul 2014-Jun 2015</i> |
| <input type="checkbox"/> Internal Medicine Residency, Wayne State University, DMC, Detroit, DMC. | <i>Jul 2010-Jun2013</i> |
| <input type="checkbox"/> Fellow at the Department of Radiation Oncology
Jawaharlal Nehru Medical College, Aligarh, India. | <i>Dec 2005 – Dec 2008</i> |
| <input type="checkbox"/> Resident at the Radiation Oncology Residency Program,
King George Medical University, Lucknow, India | <i>May 2002 – May 2005</i> |

CITIZENSHIP/VISA STATUS

- ☐ INDIAN
- ☐ H1B VISA

BOARD CERTIFICATION

- | | |
|--|-----------------|
| <input type="checkbox"/> Completed American Board of Hematology/Oncology (pending results) | <i>2019</i> |
| <input type="checkbox"/> American Board of Internal Medicine (ABIM) certified. | <i>Oct 2016</i> |
| <input type="checkbox"/> Educational Commission for Foreign Medical Graduates (ECFMG) certified. | <i>Jan 2009</i> |

WORK EXPERIENCE

- | | |
|--|---------------------------|
| <input type="checkbox"/> Advanced Bone Transplant Fellowship from Mayo Clinic, Rochester, MN | <i>Jul 2019-Jun2020</i> |
| <input type="checkbox"/> Fellow at the Hematology-Oncology Fellowship, University of Arkansas for Medical Sciences, Little Rock, AR. | <i>Jul 2016-Jun 2019</i> |
| <input type="checkbox"/> Assistant Professor at the Myeloma Institute, University of Arkansas for Medical Sciences, Little Rock, AR. | <i>Jun 2013- Jun 2016</i> |
| <input type="checkbox"/> Resident at the Categorical Internal Medicine Residency Program,
Wayne State University, Detroit Medical Center, MI. | <i>Jul 2010-Jun 2013</i> |

□ Fellow at the Department of Radiation Oncology
Jawaharlal Nehru Medical College, Aligarh, India.

Dec 2005 – Dec 2008

□ Resident at the Radiation Oncology Residency Program,
King George Medical University, Lucknow, India

May 2002 – May 2005

HONORS, AWARDS AND MEMBERSHIPS

□ First in painting and model competition in Medical School,

Jun 2002

□ Stood first in the National Quiz Competition on Oncology in India

July 2004

□ Member of the American College of Physician;

since Jul 2013

□ Member of the American Society of Clinical Oncology;

since Apr 2014

□ Member of the American Society of Hematology;

since Jul 2014

RESEARCH AND PUBLICATIONS (divided by hematology-oncology and evidence-based)

Selected Hematology-Oncology Related Projects and Publications:

Peer Reviewed Journal Articles/Abstracts

1. Apewokin S, Wontumi GM, Kumar NS, **Matin A**, Graziutti M. Biol Blood Marrow Transplant, Title: Severe mucositis and Clostridium difficile infection in adult autologous stem cell recipients: another question of the chicken or the egg?. *Biol Blood Marrow Transplant*. 2014, Feb; 20(2): 288. Pub Status: Published.
2. Heuck C J, Jethava Y , Khan K, van Rhee F, Zangari M, **Matin A**, Mohan M, Siraj M. A. Stephens, P J Jeffrey S., Davies. F Inhibiting MEK in RAS activated Myeloma. *Leukemia*. 2015, Jul; Abstract accepted. Pub Status: Published.
3. Papanikolaou X, Waheed S, Barlogie B, Alapat D V, Yoon D, Kumar M, **Matin, A**, Z Hongyun, Zangari, M., Waldenstrom's Macroglobulinemia Associated Bone Disease the UAMS Experience. *Blood*. 2014, Dec; 124(21): 2999-2999. Pub Status: Published.
4. Yogesh J, Merrill R H ,Morgan G J ,Khan R Z ,**Matin A**, Heuck, C, Zangari M, Papanikolaou X, van Rhee F, Davies, F E. PET-CT Defined Focal Lesions at Baseline and Day 7 Predict Outcome in GEP 70 Defined High Risk Multiple Myeloma Patients. *Blood*. 2014, Dec; 124(21): 3407-3407. Pub Status: Published
5. **Matin A**, Sharma S, Mathur P, Apewokin SK, Myelosuppression-sparing treatment of central nervous system nocardiosis in a multiple myeloma patient utilizing a tedizolid-based regimen: a case report. *Int J of Antimicrob Agents*. April 2017 Volume 49, Issue 4, Pages 488–492: Published.
6. Mathur P, Hollowoa B, Lala N, Thanendrarajan S, **Matin A**, Kothari A, Schinke C. Enterococcus raffinosus infection with atypical hemolytic uremic syndrome in a multiple myeloma patient after autologous stem cell transplant. *Hematol Rep*. 2017 Sep 26; 9(3):7094. PMID: 29071054.
7. Mohan M, Buros A, Mathur P, Gokden N, Singh M, Susanibar S, Jo Kamimoto J, Hoque S, Radhakrishnan M, **Matin A**, Davis C, Graziutti M, Thanendrarajan S, van Rhee F, Zangari M, Davies F, Morgan G, Epstein J, Barlogie B, Schinke C. Clinical characteristics and prognostic factors in multiple myeloma patients with light chain deposition disease. *Am J Hematol*. 2017 Aug; 92(8):739-745. PMID: 28383130.

8. Mohan M, **Matin A**, Davies FE. Update on the optimal use of bortezomib in the treatment of multiple myeloma. *Cancer Manag Res.* 2017; 9:51-63. PMID: 28280389.
9. Mohan M, Mathur P , **Matin A**, Archer A , Yarlagadda N , Godbole A , Mehta P and Thanendrarajan S Guillain-Barre Syndrome in newly diagnosed multiple myeloma patients treated with bortezomib: Two case reports: *J Case Rep Med*, 2018

Abstracts And Poster Presentations

10. Papanikolaou X, Waheed S, Barlogie B., Alapat D V, **Matin A**, Maurizio Zangari, MD11. (2014). Waldenstrom's Macroglobulinemia Associated Bone Disease the UAMS Experience Poster presented at: *ASH 2014*; San Francisco, CA.
11. **Matin A**, MD, P Misra MD,. (2010). Case Report of Papillary Fibroelastoma – A Rare Benign Tumor of the Cardiac Valve. Poster presented at: Sinai Grace Hospital, DMC, Annual Meet; Detroit, MI.
12. Papanikolaou X , Waheed S, Barlogie B, Alapat D V, **Matin A**, Zangari M: Non-Hodgkin Lymphoma: Biology, excluding Therapy: Poster II Poster presented at: *ASH 2014*; San Francisco, CA.
13. Apewokin S, **Matin A**, Atrash S, Aziz B, Graziutti M. (2014). Clinical Characteristics and Outcomes of West Nile Neuroinvasive Disease in Immunocompromised Hosts: A Case-Control Study Poster presented at: *ID Week*; San Diego, CA.
14. Jethava Y, Morgan G J, Khan R Z, **Matin A**, Heuck C, Zangari M, Papanikolaou X , van Rhee F, MD, Davies F E, (2014). PET-CT Defined Focal Lesions at Baseline and Day 7 Predict Outcome in GEP 70 Defined High Risk Multiple Myeloma Patients Poster presented at: *ASH*; San Francisco, CA.
15. Jethava Y, Morgan G J, Khan, R Z, **Matin A**, Heuck C, Zangari M, Papanikolaou X, van Rhee F, Davies F E . (2014). Myeloma: Biology and Pathophysiology, excluding Therapy: Poster II Poster presented at: *ASH 2014*; San Francisco, CA.
16. **A Matin**, Retrospective analysis to assess the correlation of ImmunKnow assay levels in acute and chronic GVHD allogeneic transplant recipients on photopheresis: Poster TCT 2019
17. **A Matin**, Outcomes of Adult Burkitt Lymphoma Patients Undergoing Hematopoietic Stem Cell Transplantation in CR1 versus \geq CR2 – A Single Institution Retrospective Analysis: Poster TCT 2020.
18. Abhishek A. Mangaonkar, Kalyan Nadiminti, Kimberly J. Langer APRN, Ajinkya Buradkar, **Aasiya Matin**, Mehrdad Hefazi , Hassan Alkhateeb , Mithun V. Shah, Shakila P. Khan , Vilmarie Rodriguez, William Hogan, Mark R. Litzow, Mrinal M. Patnaik MD :Low-dose total body irradiation (TBI) use as part of pre-transplant conditioning regimen is associated with worse outcomes in patients with Severe Aplastic Anemia (SAA) treated with Allogeneic Hematopoietic Stem Cell Transplantation (HCT)
19. Y Pandey, **A Matin**, A Kunthur: Complete clinical and histological response to combination nivolumab and ipilimumab in a patient with metastatic renal cell carcinoma.
20. Retrospective analysis to assess the correlation of ImmunKnow assay levels in acute and chronic

GVHD allogeneic transplant recipients on photopheresis.

Oral Presentations

21. **Matin A.** (2004). Evaluation of gemcitabine as an adjunct to Radiotherapy in locally advanced carcinoma cervix patients: Oral Presentation presented at: National Association of Radiation Oncologists of India, Conference; Ludhiana, IND.
22. **Matin, A.** (2011). Approach to a patient with syncopal episode Oral Presentation presented at: Multidisciplinary, Medicine (MDM); Detroit, MI.
23. **Matin,A.** (2013). Paraneoplastic Syndromes Oral Presentation presented at: Resident Grand Rounds; Detroit, MI.
24. **Matin A.** (2012). Improved survival and treatment modalities in Stage III-IV breast,colon,prostate and NSCL cancer patients Oral Presentation presented at: Multidisciplinary Medicine(MDM); Detroit, MI.
25. **Matin A.** (2011). Role of Roflumilast in the management of moderate to severe COPD patients Oral Presentation presented at: Resident Grand Rounds; Detroit, MI.
26. **Matin A** 8/24/17- Iron deficiency anemia and Anemia of chronic disease
27. **Matin A** 1/11/2018, AML in adults
28. **Matin A** 3/22/18- Allo SCT indications & Background
29. **Matin A** 5/17/18- Rectal Cancer
30. **Matin A** Symptom management – Constipation and Diarrhea

Ongoing/Submitted Projects

31. Retrospective Analysis of PRES in Multiple Myeloma Patients: A systematic review.
32. Retrospective analysis of patients with large granular lymphocyte leukemia over a period of 11 years
33. Allogeneic Hematopoietic Stem Cell Transplant in CMML patients.

COURSES AND CONFERENCES

☐ Grant writing workshop /Clinical trial design - Clinical and Transitional Science Certificate, at University of Arkansas for Medical Sciences. 2016

LANGUAGES

- ☐ Native Tongue is Hindi.
- ☐ Speak and write fluently in English.

REFERENCES

Personal references and supporting documents are available upon request

Yetunde Ogunsesan, M.D
Rochester General Hospital,
1425 Portland Avenue Rochester New York.
Phone: 585-966-9187
Email: ytogunsesan@gmail.com

EDUCATION

College of Health Sciences, University of Ilorin, Ilorin, Nigeria
Bachelor of Medicine and Bachelor of Surgery (MBBS) March 2005 –July 2011
Best graduating medical student, class of 2011

PROFESSIONAL TRAINING

Rochester General Hospital, Rochester, NY Residency in Internal Medicine	June 2018- till date
Rochester General Hospital, Rochester, NY Intern in Internal Medicine	June 2017- June 2018

CLINICAL EXPERIENCE

Pediatric Partners Hospital, Lagos Nigeria Medical Officer	April 2013 - May 2016
Eti-Osa Local Government Primary Health Centre Medical Officer	Oct 2012 – Oct 2013
University of Ilorin Teaching Hospital, Ilorin Nigeria Intern (House Officer)	Sept 2011 – Sept 2012

HONORS & AWARDS

Best graduating medical student, University of Ilorin College of Health Sciences Class of 2011.
Best graduating student in Maternal and Child Health
Best graduating student in Pediatrics
Best graduating student in Obstetrics and Gynecology

USMLE SCORES

Step 1; 239, Step 2; 241, CS; passed at first attempt, Step 3-240

CERTIFICATIONS

BLS (Basic Life Support)	2019-current
ACLS (Advanced Cardiovascular Life Support)	2019- current
FCVS (Federation Credentials Verification Service (in process)	2019-current
ECFMG CERTIFIED (Educational Commission for Foreign Medical Graduates)	2015-current

MEMBERSHIP OF PROFESSIONAL SOCIETIES

American College of Physicians	2018-current
American Medical Association	2017-current

RESIDENCY COMMITTEES

Program Evaluation Committee
Member 2018 till date

Hospital Ethics Committee
Member 2017

VOLUNTEER ACTIVITIES

Slum2School Africa	July 2015-current
Member International Relations and Externship Team	

National Youth Service Corps, Lagos, Nigeria	Oct 2012-Oct 2013
Community Development program for Nigerian University graduates	

Coalition for Love and Care	Mar 2007-Jun 2011
Students group focused on putting smiles on the faces of less privileged and disabled children	

ACADEMIC ACTIVITY, RESEARCH and PUBLICATIONS

Publications

Hanna J, **Ogunsesan Y**, Snesrud E, Maybank R, Ong A, Kwak Y, Jones A, McGann P, Lesho E.
A Rapidly Fatal Infection with *Haemophilus influenzae* Serotype E Harboring *bla*_{ROB-1}: The Dilemma of Safe De-escalation in the Setting of Potential Extended-Spectrum β -Lactamase Production.
<https://doi.org/10.1093/ofid/ofy302>

Abstracts/Posters

Hanna J, **Ogunsesan Y**, Snesrud E, Maybank R, Ong A, Kwak Y, Jones A, McGann P, Lesho E.
A Rapidly Fatal Extended-Spectrum β -Lactamase Containing *Haemophilus* Type E infection
Case Report, Poster presented at ASM Microbe 2018

Lenka J, **Ogunsesan Y**, Tong Q
Missed Intra-abdominal Hematoma from Intercostal Artery Laceration during Thoracentesis.
Case Report, Poster to be presented at CHEST Annual Meeting, Oct 2019.

Singh H, **Ogunsesan Y**, Silver S.
Always Think TB.
Case report, Poster presented at Rochester General Hospital Poster Day, May 2019

Vasylyeva O, Chen T, Hanna J, Hassan H, **Ogunsesan Y**.
Epidemiology of Candidemia in Patients with Solid Tumors of the Gastro-intestinal Tract
Original Research, Poster presented at Infectious Disease Society of America Week, October 2019.

Jamshed S, Fricke W, **Ogunsesan Y**

Diagnosing MDS; Do we Really Need to FISH?

Original Research, Abstract submitted to American Society of Hematology “ASH 2019” Conference.
Abstract to be published in Blood Journal.

Amin A, Chaturanga D, Chowdury M, Hassan H, Jha R, Mulkareddy V, **Ogunsesan Y**, Sanajana K

Appropriate Use of Enoxaparin for Thromboprophylaxis in the Hospital

Quality Improvement Study- Poster presented at Rochester General Hospital Poster Day, May 2019

Godbole MM, **Ogunsesan Y**, Hassan H, Amin A, Singh S, Weerasinghe H, Laguio MR

Gram Positive Cocci Blood Cultures; True Positive or Contaminant?

Quality Improvement Study- Poster presented at Rochester General Hospital Poster Day, May 2018

Ogunsesan Y, Oloyede HK, Abolarin S.

Knowledge, Attitude and Practice of Mothers of Under-five Children towards Self-medication in Ilorin West LGA Markets.

College of Health Sciences, University of Ilorin, Nigeria 2011.

Noted Lectures

When the Blood gets too Thin; A review of Anticoagulation management

February 2019

Rochester General Hospital Senior Talk

A review of Cardiac Amyloidosis

April 2019

Rochester General Hospital Internal Medicine Residency Program (RGHIMRP)

Noon Conference Lecture

A review of Pneumocystis Pneumonia

August 2018

RGHIMRP

Noon Conference Lecture

A review of Venous Thromboembolism

July 2018

RGHIMRP

Noon Conference Lecture

Clinical Skills

Insertion of central venous catheters

REFERENCES

Stephen Silver, MD

Program Director, Internal Medicine Residency Program

Rochester General Hospital,

Rochester, New York.

stephen.silver@rochesterregional.org

Walter Polashenski, MD

Director, Rochester General Hospitalist Group

Rochester General Hospital,

Rochester, New York.

walter.polashenski@rochesterregional.org

Amit Bansal, MD

Attending Physician/Hospitalist,

Rochester General Hospital,

Rochester, New York.

amit.bansal@rochesterregional.org

Christopher Michael Henderson, MD

Attending Physician

Rochester General Hospital Outpatient Department.

Reidman Health Centre,

Rochester, New York

christopher.henderson@rochesterregional.org

Geoffrey D. Osgood II, M.D.

(313) 505-5821 | geosgood2@gmail.com | 5880 Fair Isle Drive Apt. 247, Riverside, CA

EDUCATION

2015 - present	University of California, Riverside / Riverside University Health System General Surgery Resident Riverside, CA
2011 - 2015	Wayne State University School of Medicine Medical Doctor Detroit, MI
2009 - 2011	University of Michigan Bachelor of Science in Microbiology Ann Arbor, MI
2008 - 2009	University of Vermont Burlington, VT
2007 - 2008	Loyola University Chicago Chicago, IL

PUBLICATIONS/ABSTRACTS/PRESENTATIONS

2018	Depew A, Osgood G , Silva T, Pelter M, Narvaez V, Durgan K, Fanous E, Gomez C, Geers J, McNeil J. "A Flat Inferior Vena Cava on CT Prior to Emergent Surgery for Perforated Viscus Predicts Poor Outcomes." – <i>Abstract to be submitted Spring 2019</i>
2016	Agapian J, Dong E, Osgood G , Camelo M, Molkara A, Morris K, Dominguez N. "Chasing Zebras: A Common Drug with an Uncommon Side Effect." – <i>Poster presentation at RUHS Research Symposium, April 2016</i>
2014	Osgood G , Ghaznavi A, Siddiqui A, Tepper D. "An Outcome Analysis of Post-Bariatric Surgery Patients Undergoing Body Contouring Surgery." – <i>Primary presenter at the American Society of Plastic Surgery Meeting, Chicago, IL, October 2014</i>
2014	Ghaznavi A, Osgood G , Siddiqui A, Tepper D. "Post-Bariatric Body Recontouring and Maintained Weight Loss." – <i>Presented at the Michigan Academy of Plastic Surgeons, Mackinac Island, MI, July 2014</i>
2014	Karamanos E, Osgood G , Bradley C, Solomon J, Siddiqui A. "The Role of Hydrocellular Wound Dressing in Preventing Pressure Ulcers in Patients Admitted to the Cardiovascular Intensive Care Unit: A Prospective Study". – <i>Poster presented at the American Association of Plastic Surgeons, Miami, FL, April 2014</i>

- 2014 Efstathios K, **Osgood G**, Rubinfeld I, Siddiqui A. "Wound Healing in Plastic Surgery: Does Age Matter? An ACS NSQIP Study"
– *Journal of the American Society of Plastic Surgeons*, April 2013, Volume 133, Issue 45, p. 1046.
- 2013 Wu C, Cipriano J, **Osgood G**, Tepper D, Siddiqui A. "Human acellular dermal matrix (AlloDerm®) dimensional changes and stretching in tissue expander/implant breast reconstruction."
– *Journal of plastic, reconstructive & aesthetic surgery (1748-6815)*, 66 (10), p. 1376.
- 2011 **Osgood G**, Mackey J, Butcher J. "Observational Assessment of Child and Parent Behavior around Respiratory Treatments in Cystic Fibrosis."
– *Primary presenter for this poster at the Undergraduate Research Opportunity Program at the University of Michigan*, April 2010

RESEARCH/VOLUNTEER/LEADERSHIP EXPERIENCE

- 2012 – 2015 **Plastic Surgery Interest Group, WSUSOM** – Founder and President. Established an officially recognized student interest group for fellow medical students interested in the field of plastic surgery. Organized monthly meetings, didactics and skills sessions with faculty and residents.
- 2011 – 2015 **General Surgery Interest Group, WSUSOM** – Elected President. Organized monthly meetings, didactics and skills sessions with faculty and residents.
- 2012 **Medical Relief Trip, Hilton Head, South Carolina** – Worked in the VIM Clinic to help the underserved population of coastal Carolina.
- 2012 **Summer Student Externship, Henry Ford Hospital, Detroit, MI** – Accepted to this highly competitive Externship at Henry Ford Hospital. Presented a formal review of the research and clinical experience I had completed.
- 2010 – 2011 **Laboratory Research Assistant, University of Michigan Medical Center, Ann Arbor, MI** – Research focused on determining the factors leading to Idiopathic Pulmonary Fibrosis.
- 2009 – 2011 **Clinical Research Assistant, University of Michigan Hospital, Ann Arbor, MI** – Completed a project regarding the observational assessment of child and parent behavior around respiratory treatments in Cystic Fibrosis. Presented at the Undergraduate Research Opportunity Program Spring Symposium, 2010.
- 2007 – 2011 **Collegiate Ice Hockey Club** – Awarded American Collegiate Hockey Association Academic All-American in 2010 and 2011 while playing for the University of Michigan Men's Club Hockey team. Placed third in Nationals in the 2010-11 season.
- 2009 **Volunteer, Pediatrics Unit, Fletcher Allen Hospital, Burlington, VT** – Volunteered biweekly and gained exposure to directly interacting with patients.

Yadav Pandey

General information:

Name: Yadav Pandey Email: ypandey@uams.edu, pandey.ydv@gmail.com

Mailing address: 2400 Riverfront drive, Little Rock, AR, 72202, Apt#1636

A. Medical Education:

1) Kathmandu Medical College, Kathmandu University, Nepal

Degree obtained, date of graduation– Bachelor of Medicine and Bachelor of Surgery (MBBS),
11/08/2014

Medical School Honors/Awards

•Best Student Award, Anatomy, MBBS, 2010

•Best Student Award, Physiology, MBBS, 2010

•Best Student Award, Basic Science - Batch topper in 1st and 2nd year MBBS

•Dr. Indra Bahadur Khatri Gold medal for ENT, 2012

•Best Student Award/Cash price-2nd position - 3rd year, MBBS

•Prof. D.B. Karki Gold medal for Medicine, 2013

•Prof. Lok Bikram Thapa Gold medal for Surgery, 2013

•Dr. P.N. Pant Gold Medal, as the best student, final year, MBBS, 2013

•Cash price Rs. 50,000 for 1st position in final year, MBBS

2) Educational Commission for Foreign Medical Graduates (ECFMG) certification

Certification number, date – 0-969-408-4, 08/22/2016

- USMLE Step 1 – 12/22/2015
- USMLE Step 2 CK – 05/10/2016
- USMLE Step 2 CS – 07/05/2016
- Score- 255 Score – 271 PASS

3) University of Arkansas for Medical Sciences, Little Rock, AR
Residency in General Internal Medicine

B. Work Experience

1) Internship at Kathmandu Medical college, 05/2013-05-2014.

Worked as an Intern Doctor for one year at various departments including a 12-week rotation in
Department of Internal Medicine

2) Lecturer at Saan Institute of Nursing, Kathmandu, Nepal, 01/2013-03/2014.

Yadav Pandey

Worked as a part-time lecturer to teach Adult health nursing course for undergraduate level nursing students [SEP]

3) House officer at Rapti Sub-Regional Hospital 06/2014-06/2016.

Worked as a government appointed Medical Officer in a 100-bedded rural hospital. [SEP]

4) Medical director for non-profit organization, Health Foundation Nepal 2014-2016.

Worked as a medical director coordinating the malnutrition project, rural health clinic and non-communicable project in rural Nepal. [SEP]

5) Observer at Community health programs, Berkshire, Pittsfield, MA for 4 weeks on 2016; US clinical experience before starting residency [SEP]

C. Volunteer Experience

Disaster relief director, 04/2015-05/2015.

Led a team of volunteer physician and health workers to treat people affected by massive earthquake in a rural district in Nepal. [SEP]

Health camps: I have organized several general health camps, nutritional camps and school health programs in rural communities in Nepal in coordination with various organizations.



D. Research and Publications:

1. Pandey Y, Atwal D, Konda A, Roy A, Sasapu A. Acquired hemophilia A. Baylor University Medical Center Proceeding. Nov 2019

<https://www.tandfonline.com/doi/full/10.1080/08998280.2019.1689024>

2. Pandey Y, Atwal D, Sasapu A. Diarrhea-associated hemolytic uremic syndrome in Adults: Two case reports and review of literature. Cureus Journal. 2019 April

https://www.cureus.com/articles/18319-diarrhea-associated-hemolytic-uremic-syndrome-in-adults-two-case-reports-and-review-of-the-literature?utm_medium=email&utm_source=transaction

3. Pandey Y, Hasan R, Joshi K, Habash F, Jagana R. Acute influenza infection presenting with Cardiac Tamponade: A Case Report and Review of Literature. Permanente Journal. 2018 Dec 20
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6326557/>

4. Pandey Y, Matin A, Broadfoot B, Kunthur A. Clinical and histological response to combination nivolumab and ipilimumab in metastatic renal cell carcinoma. Baylor University Medical Center Proceeding. Jan 2020

<https://www.tandfonline.com/doi/full/10.1080/08998280.2020.1717264>

5. Pandey Y, Joshi K, Chaudhary A, Priyambada P. Hypercalcemia due to milk alkali syndrome: An emerging cause of hypercalcemia: A case report and review of literature. Case Reports in Internal Medicine. 2018 May 16
<http://www.sciedupress.com/journal/index.php/crim/article/view/13389>
6. Pandey Y, Atwal D, Konda M, Roy A, Sasapu A. Acquired hemophilia A: A case series of eight patients. Poster presentation at UAMS Department of Internal Medicine Research Symposium May 22nd, 2019
7. Matin A, Leandro M, Atwal D, Konda M, Pandey Y, Heigel A, Fox M, Veeraputhiran M. Cellular Immune Function Assay (ImmuKnow) Values during Treatment of Chronic Gvhd Status with Combined Immunosuppressive Drug and Extracorporeal Photopheresis Therapy. Poster Presentation at American Society of Blood and Marrow Transplantation. 2019 Feb, Houston, TX, USA
[https://www.bbmt.org/article/S1083-8791\(18\)31047-4/fulltext](https://www.bbmt.org/article/S1083-8791(18)31047-4/fulltext)
8. Pandey Y, Joshi KP, Goel A, Priyambada P. Idiopathic Renal Infarct as a Rare Cause of Acute Abdominal Pain: A Case Report and Review of Literature. World Journal of Nephrology and Urology. 2018 May 29.
<https://www.wjnu.org/index.php/wjnu/article/view/354/293>
9. Konda M, Ananthula A, Baltz A, Pandey Y, Atwal D, Makhoul I, Moore H. A physician-led team approach to improve advance directive completion rates in an inpatient oncology unit. Submitted at 2019 ASCO Annual Meeting (May 31 – June 4, 2019)
10. Pandey Y, Goel A, Jillella A, Kumar U, Beland S, Nadeem U, Wadhwa V, Xiaofei W, Corley K. Atypical presentation of Meckel's diverticulum in an adult man: A case report. Poster presentation at the American College of Physicians (ACP) Arkansas meeting, September 2018, Little Rock, AR, USA
11. Goel A, Pandey Y, Hasan R, Joshi K, Habash F, Kadavath S, Rutlen D. Cardiac tamponade: An uncommon presentation of common influenza infection. poster presentation at the American College of Cardiology (ACC), March 2019, New Orleans, LA, USA.
12. Goel A, Pandey Y, Albashaireh A, Palmer Q, Doerner P, Wadhwa V, Broadfoot B, Campbell R, Gokden N, Vyas K. Double whammy: Escherichia coli suppurative thyroiditis and HIV-associated nephropathy. Poster presentation at the American College of Physicians (ACP) Arkansas meeting, September 2018, Little Rock, AR, USA.
13. Pandey Y, Khan S, Goel A, Meena N, Wayne M. Hemorrhagic shock as the first presentation of gastroduodenal artery pseudoaneurysm. Poster presentation at the Society of Critical Care Medicine (SCCM) conference, February 2019, San Diego, CA, USA.
14. Goel A, Pandey Y, Subramany S. Hansen's disease: The armadillo's curse. Poster presentation at the American Association of Physicians of Indian Origin (AAPI) annual meeting, August 2018,

Little Rock, AR, USA.

15. Goel A, Pandey Y, Innabi A, Habash F, Burns M. An unexpected cause of rhabdomyolysis. Poster presentation at the American Association of Physicians of Indian Origin (AAPI) annual meeting, August 2018, Little Rock, AR, USA.
16. Ibanez N, Pandey Y, Meena N. Acute-on Chronic Respiratory Failure due to Invasive Mucinous Adenocarcinoma. poster presentation at the Society of Critical Care Medicine (SCCM) conference, February 2019, San Diego, CA, USA
17. Goel A, Pandey Y, Shanbhag A, Ananthula A, Paydak H, Rutlen D. Pacemaker-induced superior vena cava syndrome leading to unmasking of metastatic cancer. poster presentation at the Society of Critical Care Medicine (SCCM) conference, February 2019, San Diego, CA, USA.
18. Goel A, Subramany S, Wayne M, Ibanez M, Pandey Y, Goraya H. Cerebral gas embolism after hydrogen peroxide ingestion. Accepted for oral poster presentation at the Society of Critical Care Medicine (SCCM) conference, February 2019, San Diego, CA, USA.
19. Goel A, Pandey Y, Albashaireh A, Palmer Q, Vyas K. Double whammy: Escherichia coli suppurative thyroiditis and HIV-associated nephropathy. Accepted for oral poster presentation at the Society of Critical Care Medicine (SCCM) conference, February 2019, San Diego, CA, USA.
20. Goel A, Pandey Y, Lucas A, Johnsrud J, Burgess M. Disseminated tuberculosis and deep vein thrombosis: A causative link? poster presentation at the Southern Regional Meeting (SRM), February 2019, New Orleans, LA, USA.
21. Kovulamudi S, Pandey Y, Malkawi A. Rash is a critically ill: "Still" a mystery. Poster presentation at UAMS Department of Internal Medicine Research Symposium, May 22nd 2019.
22. Pandey Y, Atwal D, Konda M, Arya R, Sasapu A. Acquired Hemophilia A: A case series of nine patients. A poster presentation at the 2019 American College of Physicians Arkansas Chapter Scientific Meeting in Little Rock. Arkansas
23. Y Pandey, D Middleton, A Baltz, A Roy, A Godbole, M Veeraputhiran. The clinical conundrum of intravascular large cell lymphoma. Journal of Investigative Medicine, Feb 2020
10.1136/jim-2020-SRM.220
24. A Roy, A Ananthula, Y Pandey, A Goel. Undiagnosed acquired hemophilia A- culprit for recurrent gastrointestinal bleeding. Journal of Investigative Medicine, Feb 2020
10.1136/jim-2020-SRM.225
25. Isolated Cryptococcuria as a manifestation of disseminated Cryptococcus- A diagnostic dilemma. Journal of Investigative Medicine, Feb 2020
10.1136/jim-2020-SRM.265
26. A Goel, S Subramany, Y Pandey, A Roy, NH Phan, H Goraya. Cerebral gas embolism after

Yadav Pandey

hydrogen peroxide ingestion. Journal of Investigative Medicine, Feb 2020
10.1136/jim-2020-SRM.534

E. Hobbies:

I enjoy traveling and cooking

RESUME

Dr. Prasanth Babu Sadaram

Email Id: sadaramprasanth@gmail.com

Current Mailing Address:

7820 W Capitol Ave, Apt #604, Little Rock, Arkansas- 72205.

Phone no: 929-288-9605

Permanent Address Abroad:

Door No: 38-40-60, Gavara Street, Main Road, Marripalem, Visakhapatnam,
Andhra Pradesh, INDIA, Pin Code: 530018.

WORK EXPERIENCE:

FELLOWSHIP TRAINING: Currently, pursuing Fellowship in Geriatric Medicine from University of Arkansas for Medical Sciences, Institute on Aging, Little Rock, Arkansas. Jul 2019- Todate

RESIDENCY TRAINING: Former Resident in INTERNAL MEDICINE at Bronx Care Hospital Center, BRONX, New York, NY, United States. Jul 2016 - Jun 2019

Other U.S. CLINICAL EXPERIENCE: Mar '15- Sept'15
→ Preceptorship under Dr. Glover O L Johnson (cardiologist), Memorial Hermann Hospital, Houston.

INTERNATIONAL WORK EXPERIENCE:

MADHAVA NURSING HOME: Jul-Dec'13 & Jun'14-Feb'15
Worked as a duty doctor in Madhava Nursing home.

ARCHANA HOSPITALS: Jan-may'14
Worked as a duty doctor in Archana Hospitals, under Dr. Rama Krishna M.D., D.M (PGIMER, Chandigarh).

R.K. HOSPITAL: Nov'12-Jun'13
Worked as a duty doctor in the 80-bed multi-specialty hospital.

MALAYSIAN CLINICAL EXPERIENCE: Jan'12-Oct'12
Worked as a General Practitioner in Malaysia.

BOARD CERTIFICATIONS:

CERTIFIED IN AMERICAN BOARD OF INTERNAL MEDICINE - 2019.
ECFMG CERTIFIED - 2015

OTHER CERTIFICATIONS: Certification/Licensure ACLS Certified, 06/09/2020 BLS Certified, 06/09/2020.

MEMBERSHIPS:

ACTIVE MEMBER IN AMERICAN COLLEGE OF PHYSICIAN (ACP)
ACTIVE MEMBER IN AMERICAN GERIATRIC ASSOCIATION (AGS)

USMLE:

- ❖ Step 1: **253**, April 2014
- ❖ Step 2 CK: **250**, December 2014
- ❖ STEP 2 CS: cleared in 1st attempt, May 2015
- ❖ Step 3: **217**, August 2015.

EDUCATIONAL QUALIFICATIONS:

Degree/Class	Course Duration	Board/University	Name of the Institution	CLASS
M.B.B.S.	August 2005 - March 2011	Dr.NTR University of Health Sciences	Rangaraya Medical College, Kakinada	1st Class
Class XI & XII	March 2003 -March 2005	Board of Intermediate Education, A.P.	Sri Chaitanya College, A.P.	Distinction
Class X	March 2002 -March 2003	Secondary School Certificate (SSC)	Visvodaya High School, Visakhapatnam	Distinction

Electronic Medical Record systems: experience with EPIC, Allscripts, CPRS.

INTERESTS:

Outdoor activities, Isha Yoga, parks, book reading, libraries, coffee shops, International travel, road trips.
Other interests: Business and investment, charity activities, supporting poor students and organizing free medical camps in underserved areas.

PERSONALITY:

Sincere, straight forward, hard working, ambitious, team player, easy to get along with.

Jumin Sunde, M.D.
Otolaryngology- Head and Neck Surgery
134 Sunflower Rd • Madison, MS 39110
251.259.6220
jumins8@gmail.com

Education and Training

Undergraduate 7/2002-6/2006	Biomedical Sciences Summa Cum Laude University of South Alabama Mobile, Alabama
Doctorate 7/2006-6/2010	Medical Doctorate Summa Cum Laude University of Alabama at Birmingham School of Medicine Birmingham, AL
Residency/Internship 7/2010-6/2015	Otolaryngology-Head and Neck Surgery University of Arkansas for Medical Sciences Department of Otolaryngology-Head and Neck Surgery Little Rock, Arkansas
Fellowship 7/2018-6/2019	Head and Neck Oncologic and Microvascular Surgery University of Michigan Department of Otolaryngology-Head and Neck Surgery Ann Arbor, Michigan

Certification and Licensure

• Alabama State Medical License (#33977)	2015-2018
• Michigan State Medical License (#4301114225)	2018-Present
• Board Certification, American Board of Otolaryngology (#22938)	2016
• Mississippi State Medical License (#26760)	2019-Present

Academic, Administrative, and Clinical Appointments

• Staff Physician, Madison Surgery Center	7/2015-5/2018
• Staff Physician, Athens-Limestone Hospital	7/2015-5/2018
• Staff Physician, Decatur-Morgan Hospital	7/2015-5/2018
• Fellow, University of Michigan	7/2018-6/2019
• Assistant Professor, University of Mississippi Medical Center	8/2019-present

Research Interests

- Head and neck cancer clinical outcomes research

Honors and Awards

- Arnold G. Diethelm Student Scholar in the Surgical Sciences (2007)
- McGraw-Hill/LANGE Medical Student Award (2007)
- American Society for Clinical Pathology Award for Academic Excellence and Achievement (2008)
- Robert Lee White Scholarship (2008)
- Junior AOA (2009)
- State of Alabama Merit Scholarship (2006-2010)
- Purifoy Memorial Scholarship (2006-2010)

Memberships in Professional Societies

- | | |
|---|--------------|
| • Alabama Medical Society/ Limestone County Medical Society | 2015-2017 |
| • American Academy of Otolaryngology-Head & Neck Surgery | 2009-present |
| • American Society of Geriatric Otolaryngology | 2010-2015 |
| • Arkansas Society of Otolaryngology-Head & Neck Surgery | 2010-2015 |
| • American Head and Neck Society | 2017-present |

Teaching

Intramural Lectures

1. **Sunde J**, Buckmiller LM. Branchial Anomalies. University of Arkansas for Medical Sciences, Department of Otolaryngology-Head and Neck Surgery Grand Rounds. Little Rock, Arkansas. June 26, 2012.
2. **Sunde J**, Donhoffer JL. The Atelectatic Ear. University of Arkansas for Medical Sciences, Department of Otolaryngology-Head and Neck Surgery Grand Rounds. Little Rock, Arkansas. March 26, 2013.
3. **Sunde J**, Webb JB, Moore PC, Gluth MB, Dornhoffer JL. Cochlear implant failure, revision, and re-implantation. J. Floyd Kyser, MD, 20th Annual Resident Research and Alumni Conference. Little Rock, Arkansas. June 21-22, 2013.
4. **Sunde J**. Risk stratification, locoregional management and prognosis of cutaneous squamous cell cancer of the head and neck. University of Arkansas for Medical Sciences, Department of Otolaryngology-Head and Neck Surgery Grand Rounds. Little Rock, Arkansas. December 17, 2013.

5. **Sunde J**, Moore PC, Gluth MB, Dornhoffer JL. Delayed compensation following treatment of Meniere's Disease with intratympanic gentamicin. J. Floyd Kyser, MD, 21th Annual Resident Research and Alumni Conference. Little Rock, Arkansas. June 20-21, 2014.
6. **Sunde J**. Aural rehabilitation: hearing aids, middle ear implants and bone conduction devices. Department of Otolaryngology-Head and Neck Surgery Grand Rounds. Little Rock, Arkansas. September 30, 2014.
7. **Sunde J**, Talmage GD, Atlas MD, Gluth MB. Anatomic basis of the middle temporal artery periosteal rotation flap in otologic surgery. J. Floyd Kyser, MD, 22th Annual Resident Research and Alumni Conference. Little Rock, Arkansas. June 19-20, 2015.
8. **Sunde J**. Induction Chemotherapy in the Management of Locally Advanced Laryngeal Cancer. University of Mississippi Medical Center. December 14, 2018.
9. **Sunde J**. Introduction to Head and Neck Anatomy for Otolaryngology Interns, University of Michigan. February 6, 2019.
10. **Sunde J**. Otolaryngology In-service Exam preparation: Endocrine surgery and General Otolaryngology. University of Michigan. February 18, 2019.
11. **Sunde J**, Spector ME. Rotational Thromboelastometry (ROTEM) Predicts Thrombotic Complications of Microvascular Head and Neck Reconstruction. Charles J. Krause, MD, Lectureship. Ann Arbor, Michigan. June 21, 2019.
12. **Sunde J**. Laryngeal Squamous Cell Cancer: Early Glottic to Locally Advanced Disease. University of Mississippi Medical Center, Department of Otolaryngology-Head and Neck Surgery Didactic Lecture. October 28, 2019.
13. **Sunde J**. Parapharyngeal Space Neoplasms. University of Mississippi Medical Center, Department of Otolaryngology-Head and Neck Surgery Didactic Lecture. November 8 2019.

Didactic Courses

1. ORL Essential Boot camp, University of Michigan simulation center. July 14, 2018.
2. University of Michigan Resident Cadaver Course. University of Michigan cadaver lab. May 9, 2019.
3. ORL Emergency Simulation Bootcamp, University of Mississippi Medical Center. August 17, 2019.

Committee, Organizational, and Volunteer Services

- Athens-Limestone Hospital Multidisciplinary Peer Review 2015-present
- UAMS Department of Otolaryngology-HNS Admissions Committee 2013-2015
- UMMC Department of Otolaryngology Performance Improvement Officer 2019-present

Visiting Professorships, Seminars, and Extramural Invited Presentations

Invited Presentations

1. **Sunde J**, Webb JB, Moore PC, Gluth MB, Dornhoffer JL. Cochlear implant failure, revision, and re-implantation. Combined Otolaryngology Spring Meetings. Orlando, Florida. April 10-14, 2013.
2. **Sunde J**, Moore PC, Gluth MB, Dornhoffer JL. Delayed compensation following treatment of Meniere's Disease with intratympanic gentamicin. Combined Otolaryngology Spring Meetings. Las Vegas, Nevada. April 14-18, 2014
3. **Sunde J**. Laryngeal Squamous Cell Cancer of the Glottis. The Hattiesburg Clinic Tumor Board. Hattiesburg, Mississippi. 28, 2019.

Bibliography

Peer-Reviewed Journals and Publications

1. Kostrzewa JP, **Sunde J**, Riley KO, Woodworth BA. Radiofrequency coblation decreases blood loss during endoscopic sinonasal and skull base tumor removal. *ORL J Otorhinolaryngol Relat Spec*. 2010;72(1):38-43.
2. Virgin FW, Azbell C, Schuster D, **Sunde J**, Zhang S, Sorscher EJ, Woodworth BA. Exposure to cigarette smoke condensate reduces calcium activated chloride channel transport in primary sinonasal epithelial cultures. *Laryngoscope*. 2010; 120(7):1465-9.
3. Virgin FW, Iseli TA, Iseli CE, **Sunde J**, Carroll WR, Magnuson JS, Rosenthal EL. Functional outcomes of fibula and osteocutaneous forearm free flap reconstruction for segmental mandibular defects. *Laryngoscope*. 2010;120(4):663-7.
4. **Sunde J**, Alexander KA, Reddy VV, Woodworth BA. Intranasal eosinophilic angiocentric fibrosis: a case report and review. *Head Neck Pathol*. 2010;4(3):246-8.
5. **Sunde J**, Webb JB, Moore PC, Gluth MB, Dornhoffer JL. Cochlear implant failure, revision, and re-implantation. *Otol Neurotol*. 2013;34(9):1670-4.
6. Gluth MB, **Sunde J**. Vascularized reconstruction of partial external auditory canal wall defects using the middle temporal artery flap. *Otol Neurotol*. 2014;35(1):e31-5.
7. Metrailler AM, Cox MD, **Sunde J**, Hartzell L, Moore PC, Dornhoffer JL. Cartilage tympanoplasty in children with cleft palate repair. *Otol Neurotol*. 2014;35(8):1471-3.
8. Talmage GD, **Sunde J**, Waler DD, Atlas MD, Gluth MB. Anatomic basis of the middle temporal artery periosteal rotation flap in otologic surgery. *Laryngoscope*. 2016; 126(6):1426-32.

Book Chapters

1. **Sunde J**, Dornhoffer JL. 2015. Head and neck vascular anomalies: a practical case-based approach. San Diego (CA): Plural Publishing. Chapter 4, Venous malformations of the temporal bone; p. 209-214.
2. **Sunde J**, Moreno MA. Surgical Anatomy of the Neck. In: Stack BC, Moreno MA, ed. Neck Dissection: New York (NY): Thieme; 2019:19-52.

Heather Renee Williams, M.D.

Medical College of Georgia
 Augusta University Medical Center
 1120 15th Street (BA7407)
 Augusta, Georgia, 30912
 Work: 706-721-3992 · Cell: 870-814-5883
 Email: hewilliams1@augusta.edu

I. Education

- a. 05/2013 Doctor of Medicine, elected to Alpha Omega Alpha
 University of Arkansas for Medical Sciences; Little Rock, Arkansas
- b. 05/2004 Bachelor of Science in Biology, Magna cum Laude, Presidential Scholar
 University of Central Arkansas; Conway, Arkansas

II. Postgraduate

- a. 07/17-current Fellowship in Gynecologic Oncology
 Medical College of Georgia at Augusta University; Augusta, Georgia
- b. 06/13-06/17 Internship and Residency in Obstetrics and Gynecology
 University of Iowa Hospitals and Clinics; Iowa City, Iowa
- c. 04/2016 Felix Rutledge Fellow
 MD Anderson Cancer Center; Houston, Texas

III. Work Experience

- a. 12/05-06/08 Research Technologist II, Radiology, University of Arkansas for Medical Sciences
Performed flow cytometry, gel electrophoresis, fluorescent microscopy and cell culture.

IV. License

- a. 07/01/2017 Georgia Composite Medical Board
 License number: 9105
 Exp: 06/30/2020
- b. 05/21/2013 Iowa Board of Medicine
 License number: R-09679
 Exp: 06/30/2017
- c. 4/1/2016 Texas Medical Board Basic Postgraduate Training Permit
 License number: BP10055198
 Exp: 4/30/2016

V. Board Certification and Eligibility

- a. 6/2017 Passed ABOG OB/GYN Written Board Exam
**General Obstetrics and Gynecology Oral Board Eligible*

VI. Awards and Recognition

- a. 05/2019 GOG Foundation New Investigator Award

3 year award providing funding to attend Annual and Semi-annual NRG Oncology meetings

- b. 06/2017 Outstanding Laparoendoscopic Resident Surgeon Award
From the Society of Laparoendoscopic Surgeons
- c. 06/2017 Award for Excellence in Family Planning
From the Ryan Program Resident Award

VII. Certifications and Post Graduate Courses

- a. 08/18-12/18 STAT7010 Biostatistics I
- b. 04/2017-2020 Fetal Monitoring Credentialing Program
- c. 04/2017-2019 Basic Life Support
- d. 03/2017-2019 Advanced Cardiac Life Support
- e. 05/2016 Fundamentals of Laparoscopic Surgery

VIII. Peer Reviewed Publications

- a. **Williams HR**, Goad L, Treloar M, Ryken K, Mejia R, Zimmerman MB, Stockdale C, Hardy-Fairbanks A. Confidence and readiness to discuss, plan and implement postpartum contraception during prenatal care versus after delivery. J Obstet Gynaecol. 2019 Jun 13;1-7. PMID: 31192762
<https://doi.org/10.1080/01443615.2019.1586853>
- b. Patel KB, Gaidis A, Stephens A, Thompson TZ, **Williams H**, Rungruang B. A report of Bell's Palsy triggered by leptomeningeal metastases from recurrent high grade serous ovarian cancer. Gynecol Oncol Rep. 2018;26:82-86. Published 2018 Oct 19. <https://doi.org/10.1016/j.gore.2018.10.006>
- c. **Williams HR**, Agner AC, Stockdale CK. Review of outside pathology prior to treatment of cervical intraepithelial neoplasia: a cost analysis. Proc Obstet Gynecol. 2018 Sep 12;8(2):Article 1 [7 p.]
<https://ir.uiowa.edu/pog/vol8/iss2/1/>
- d. Gnade CM, **Williams HR**, Kowalski JT, Andrews JI, Anaya H. Management of pregnancy in patients with exstrophy-epispadias sequence: a case series and literature review. Proc Obstet Gynecol. 2018 Feb 28;8(1):Article 3 [9 p.]. <https://doi.org/10.17077/2154-4751.1372>
- e. **Williams HR**, Hardy-Fairbanks AJ, Stockdale CK, Radke S. Management of vaginal wall perforation during a second trimester dilation and evacuation. Proc Obstet Gynecol. 2017 Oct 23;7(3):Article 9 [7 p.]. <https://doi.org/10.17077/2154-4751.1375>.
- f. Goad LM, **Williams HR**, Treloar MS, Stockdale CK, Hardy-Fairbanks AJ. A pilot study of patient motivation for postpartum contraception planning during prenatal care. Int J of Women's Health Wellness. (Vol 3, Iss 1). 2017 Mar 29. <https://clinmedjournals.org/articles/ijwhw/international-journal-of-womens-health-and-wellness-ijwhw-3-048.php?jid=ijwhw>
- g. **Williams H**, Salinas E, Savage E, Samuelson M, Goodheart MJ. Malignant struma ovarii with insular carcinoma: A case report and literature review. Gynecologic Oncology Reports. 2016;18:1-3.
<https://doi.org/10.1016/j.gore.2016.08.003>
- h. Gnade CM, **Williams HR**, Stockdale CK. A case of hysteria: Anti-N-methyl-D-aspartate receptor encephalitis resulting from a mature ovarian teratoma. Proc Obstet Gynecol. 2016 Mar 28;6(1):Article

5 [6 p]. <http://ir.uiowa.edu/pog.vol6/iss1/5>

- i. Borrelli MJ, O'Brien WD, Bernock LJ, **Williams HR**, Hamilton E, Wu J, Oelze ML, Culp WC. Production of Uniformly Sized Serum Albumin and Dextrose Microbubbles. *Ultrasonics - Sonochemistry*. 2012 Jan; 19(1):198-208.

IX. Short Communications

- a. Peebles AB, **Williams HR**, Mitta M, Chescheir NC. Connect the Dots-May 2019. *Obstet Gynecol*. 2019 May;133(5):1055-1056. doi: 10.1097/AOG.0000000000003247. PubMed PMID: 30969224.
- b. **Williams HR**, Ghamande S. Can Advances in Immunotherapy Improve the Survival in Women with Recurrent Cervical Cancer?. *Clin Oncol*. 2017; 2: 1384.

X. Abstract Publications

- a. Patel K.B., Pyrzak A., **Williams H.**, Coste H., Zhang L.F., Sadek R., Wallbillich J.J., Ghamande S., Rungruang B.J. Participation in clinical trials may overcome health disparities in the treatment of advanced or recurrent epithelial ovarian cancer, *Gynecologic Oncology*, Volume 149, Supplement 1, 2018, Pages 4-5, ISSN 0090-8258, <https://doi.org/10.1016/j.ygyno.2018.04.017> SGO annual meeting March 24th, 2018.
- b. Pyrzak A., K.B. Patel, **H. Williams**, H. Coste, L.F. Zhang, R. Sadek, J.J. Wallbillich, S. Ghamande, B.J. Rungruang. Clinical trial participation may improve survival in patients with advanced epithelial ovarian, fallopian, and peritoneal malignancies, *Gynecologic Oncology*, Volume 149, Supplement 1, 2018, Pages 201-202, ISSN 0090-8258, <https://doi.org/10.1016/j.ygyno.2018.04.458>.
- c. **H. Williams**, J. Mattson, V. Wagner, E. Salinas, M. McDonald, J. Hansen, S. Mott, J. Stephan, M. Goodheart. The Effect of Weight Based Chemotherapy Dosing in a Cohort of Gynecologic Oncology Patients: A Follow-Up Study. *Gynecologic Oncology*, Volume 147, Issue 1, 2017, Pages 190-191, ISSN 0090-8258. <https://doi.org/10.1016/j.ygyno.2017.07.013>
- d. **H. Williams**, C. Gnade, K. Ryken, A. Racek, E. Salinas, T. Ginader, M. Goodheart. Factors Influencing BRCA Positive Women to Undergo Risk Reducing Surgery. *Gynecologic Oncology*, Volume 143, Issue 1, 2016, Pages 217-218, ISSN 0090-8258, <https://doi.org/10.1016/j.ygyno.2016.08.299>
- e. Racek, S. Joglekar, L. Goad, T. Hoff, **H. Williams**, T. Ginader, M. Goodheart. Timing and duration of primary debulking surgery on degree of cytoreduction. *Gynecologic Oncology*, Volume 143, Issue 1, 2016, Page 223. ISSN 0090-8258, <https://doi.org/10.1016/j.ygyno.2016.08.315>

XI. Other Publications

- a. **Williams HR**. Henson H. AMS-MSS Spring Health Fair. *The Journal of the Arkansas Medical Society*. 2013 Jan; 109(8): 165.
- b. Viswanathan V, **Williams HR**. Southern Fried Medicine - AMA-MSS Region 3 Retreat Overview. *The Journal of the Arkansas Medical Society*. 2011 Jun.
- c. Licatino LK, **Williams HR**. Fall Semester Progress Report from the AMS-MSS. *The Journal of the Arkansas Medical Society*. 2011 Apr; 107(11): 233.
- d. **Williams HR**, Viswanathan V. AMS-Medical Student Section Host's "Medical Specialty Speed Dating

Event". The Journal of the Arkansas Medical Society. 2011 Jan; 107(8): 161-162.

XII. Oral Presentations

- a. SB Randhawa, **HR Williams**, FA Valea, JI Sorosky, L Duska, RV Higgins, P Schnatz, MB Woodland. (February 2020). Breakout Session: Overcoming Challenges in Surgical Skills Training during Ob/Gyn Residency: A Collaborative Approach. Presented at the Association of Professors of Gynecology and Obstetrics/The Council on Resident Education in Obstetrics and Gynecology (APGO/CREOG) Annual Conference in Orlando, FL.
- b. **H.R. Williams**, C. Tarallo, L. Tran, L. Griswold, C. Bailey, K. Patel, S. Ghamande, B.J. Rungruang. (June 2019). Factors Influencing Survival and Survivorship Outcomes in Vulvar Cancer. Presented at the Western Association of Gynecologic Oncologists Annual Meeting in Huntington Beach, CA.
- c. L. Griswold, **HR Williams**, KB Patel MD, CD Bailey, S Swartz, K Burchett, JJ Wallbillich, S Ghamande, BJ Rungruang MD. (October 2018). A review of disparities and their impact on survival in vulvar cancer. Presented at the Mid-Atlantic Gynecologic Oncology Society Annual Meeting in Columbus, OH.
- d. Patel, K; Pyrzak, A; **Williams, H**; Coste, H; Zhang, LF; Sadek, R; Wallbillich, JJ; Ghamande, S; and Rungruang, BJ. (March 2018). Participation in clinical trials may overcome health disparities in the treatment of advanced or recurrent epithelial ovarian cancer. Presented at the Society for Gynecologic Oncology in New Orleans, LA.
- e. **Williams HR**, Mattson J, Wagner V, Salinas EA, McDonald ME, Hansen JM, Mott SL, Stephan JM, Goodheart MJ. (June 2017) "The Effect of Weight Based Chemotherapy Dosing in a Cohort of Gynecologic Oncology Patients: A Follow-Up Study." Presented at the Western Association of Gynecologic Oncologists Annual Meeting in Rancho Mirage, CA and at the OncLive Fellows Forum April 2018.
- f. **Williams, HR**; Goad, LM; Treloar, MS; Ryken, KO; Stockdale, CK; Hardy-Fairbanks, AJ. (2016, November). Postpartum Contraception Acceptance and Readiness. Presented at the University of Iowa Hospitals and Clinics Dept. of Ob/Gyn Postgraduate Conference. Iowa City, IA.

XIII. Poster Presentations

- a. **HR Williams**, Bailey CD, Ray C, Braun K, Rungruang BJ. It takes more than magic to make it work! Developing an effective teaching strategy during the Gynecologic Oncology Rotation. (February 2020). Presented at the Association of Professors of Gynecology and Obstetrics/The Council on Resident Education in Obstetrics and Gynecology (APGO/CREOG) Annual Conference in Orlando, FL.
- b. **HR Williams**, Y Wang, L Tran, S Mobley, BJ Rungruang, S Ghamande. Use of nivolumab as salvage therapy in heavily pretreated patients with gynecologic malignancies. (June 2019). Presented at the American Society of Clinical Oncology Annual Meeting in Chicago, IL.
- c. **HR Williams**; K Patel; CD Bailey; LF Zhang; R Sadek; JJ Wallbillich; S Ghamande; BJ Rungruang. (October 2018). No impact of race on the survival of patients with uterine carcinosarcoma. Presented at the Mid-Atlantic Gynecologic Oncology Society Annual Meeting in Columbus, OH.
- d. Pyrzak, A; Patel, K; **Williams, H**; Coste, H; Zhang, LF; Sadek, R; Wallbillich, JJ; Ghamande, S; and Rungruang, BJ. Clinical trial participation may improve survival in patients with advanced epithelial ovarian, fallopian, and peritoneal malignancies. Presented at the Mid-Atlantic Gynecologic Oncology

Society meeting (October 2017) and at the Society for Gynecologic Oncology annual meeting (March 2018) in New Orleans, LA.

- e. **Williams, HR**; Goad, LM; Treloar, MS; Mejia, R; Stockdale, CK; Hardy-Fairbanks, AJ. (2017, May). Postpartum Contraception Acceptance and Readiness for Long Acting Reversible Contraception. Presented ACOG Annual Meeting in San Diego, CA.
- f. **Williams, HR**; Goad, LM; Treloar, MS; Ryken, KO; Stockdale, CK; Hardy-Fairbanks, AJ. (2016, November). Postpartum Contraception Acceptance and Readiness. Presented at the North American Forum on Family Planning/Society of Family Planning Annual Meeting in Denver, CO.
- g. Ryken, KO; **Williams, HR**; Goad, LM; Treloar, MS; Stockdale, CK; Hardy-Fairbanks, AJ. (2016, August). Contraceptive Use and Satisfaction Postpartum at an Academic Medical Center. Presented at the American Congress of Obstetricians and Gynecologists (ACOG) Joint District V, VI, VII, VIII and IX Meeting in Toronto, Canada.
- h. **Williams HR**, Gnade CM, Ryken KO, Racek AR, Salinas EA, Ginader T, Goodheart MJ. (2016, June). Factors Influencing BRCA Positive Women to undergo Risk Reducing Surgery. Presented at the Western Association of Gynecologic Oncologists (WAGO) Annual Meeting in Sedona, AZ.
- i. Racek A, Joglekar S, Goad L, Hoff T, **Williams H**, Ginader T, Goodheart M. (2016, June). Timing and Duration of Primary Debulking Surgery on Degree of Cytoreduction. Presented at the WAGO Annual Meeting in Sedona, AZ.
- j. **Williams, HR**; Elson, MG; Sanborn, AN. (2016, March). Improving Communication among Faculty, Residents and Nurses on Labor and Delivery through multidisciplinary Fetal Heart Tracing Rounds. Poster presented at the Association of Professors of Gynecology and Obstetrics/The Council on Resident Education in Obstetrics and Gynecology (APGO/CREOG) Annual Conference in New Orleans, LA and at the University of Iowa Hospitals and Clinics 4th Annual Quality Improvement and Patient Safety Symposium: Innovating for Quality in Iowa City, IA (2016, April).
- k. Goad, Lindsay M., **Williams, Heather R.**, Treloar, Mackenzie S., Stockdale, Colleen K., Hardy-Fairbanks, Abbey J.; (2015, September). A Pilot Study of Patient Motivation for Postpartum Contraception Planning during Prenatal Care. Presented at the American Congress of Obstetricians and Gynecologists (ACOG) Joint District V, VI, VII, VIII and IX Meeting in Denver, CO.
- l. Treloar Mackenzie S., **Williams, Heather R.**, Goad, Lindsay M., Stockdale Colleen K., Hardy-Fairbanks Abbey J., (2015, September). A pilot study of patient motivation for postpartum contraception planning during hospitalization following delivery. Presented at ACOG Joint District V, VI, VII, VIII and IX Meeting in Denver, CO.
- m. **Williams, H.**, Sanborn, A., Racek, A., Wernimont, S. (2015, July). Improving communication among Faculty, Residents and Nurses on Labor and Delivery through multidisciplinary Fetal Heart Tracing Rounds. Presented at Graduate Medical Education Leadership Symposium, University of Iowa Hospitals and Clinics; Iowa City, IA.
- n. Borrelli M., **Williams H.**, Bernock L. (2007, May). Rapid and Effective Thermal Ablation at Temperatures Between 41°C and 45°C Using Aliphatic Ablation Sensitizers. Presented at: World Conference on Interventional Oncology; Washington, DC.

- o. Fetcher, J., Bowman, B., Carter, J., **Killingsworth, H.**, Frank, J., Clancy, B. (2003, November). Distribution and Connectivity of Persisting Subplate Cells in Mature and Aging Cortex. Presented at: Society for Neuroscience Conference; New Orleans, LA.

XIV. Other Presentations

- a. CSRA Gyn Cancer Support Group Meeting
 - i. 03/2019 "Menopause Symptoms and Sexual Health"
- b. University of Iowa Department of Obstetrics and Gynecology Ground Rounds
 - i. 04/2017 "Enhanced Recovery After Surgery"
- c. University of Iowa Department of Obstetrics and Gynecology Postgraduate Conference
 - i. 11/2016 "Postpartum Contraception Acceptance and Readiness"
- d. University of Iowa Department of Obstetrics and Gynecology Morbidity and Mortality Conference
 - i. 01/2017 "Eyebrows Raised at a Prolonged Second Stage"
 - ii. 12/2016 "Undiagnosed Placenta Increta"
 - iii. 11/2016 "Vaginal Perforation during Elective Abortion"
 - iv. 05/2016 "Subgaleal Hematoma after attempted Forceps Delivery"
 - v. 01/2016 "Femoral Nerve Injury after Abdominal Hysterectomy"
 - vi. 09/2015 "Anti-NMDA Receptor Encephalitis"
 - vii. 06/2015 "Pelvic Inflammatory Disease"
 - viii. 03/2015 "Postoperative Refeeding Syndrome"
- e. University of Iowa Department Obstetrics and Gynecology Teaching Conference
 - i. 10/2014 "Review of Stress Urinary Incontinence"
 - ii. 08/2013 "Laparoscopic Trochar Injuries – Avoidance and Repair"
 - iii. 08/2013 "Pelvic Inflammatory Disease Treatment Regimen"

XV. Teaching Experience

- a. 03/2019 M4 "OB/GYN Intern Boot Camp"
Taught lectures regarding "abdominal anatomy" and "abdominal incisions," facilitated hands on learning with suturing techniques and laparoscopic port placement
- b. 09/18 – current M3 Clinical Clerkship Lecture "Gynecologic Cancers"
01/14/2019
10/15/2018
- c. 07/18 – current Ob/Gyn Residents Gyn/Onc Rotation Teaching
Responsible for reviewing two Practice Bulletins per rotation, lecturing using "flipped classroom" style, giving and reviewing relevant Prolog questions to the topic (20 sessions total)
- d. 03/2018 M4 "OB/GYN Intern Boot Camp"
**same description as above*
- e. 01/2018 Resident CREOG Review: Gynecologic Oncology Section

XVI. Administrative Responsibilities

- a. 04/19 – current Peer reviewer for *Journal of Obstetrics and Gynaecology*
- b. 01/18 – current Peer reviewer for *Proceedings in Obstetrics and Gynecology*

XVII. Leadership Positions

- a. 10/18-current American College of Surgeons Representative to JFCAC/ACOG
- b. 10/18-10/19 Fellow Representative to Mid-Atlantic Gynecologic Oncology Society
- c. 05/11-04/12 Medical Student Representative, Arkansas Medical Society Board of Trustee
- d. 05/11-04/12 Medical Student Representative, Medical Education Foundation for Arkansas
- e. 05/10-04/11 President, Arkansas Medical Society Medical Student Section
- f. 05/09-04/10 Secretary/Treasurer, Arkansas Medical Society Medical Student Section
- g. 05/09-04/10 Treasurer, Christian Medical Association
- h. 05/09-04/10 UAMS American Medical Women's Association Community Service Committee
- i. 08/08-04/09 M1 Representative, Arkansas Medical Society Medical Student Section
- j. 08/08-04/09 UAMS American Medical Women's Association Community Service Committee

XVIII. Committee Memberships

- a. 04/19 – current MCG GMEC Special Review Subcommittee Charter
- b. 08/18 – current Program Evaluation Committee – Gynecologic Oncology Fellowship
- c. 07/17 – current Graduate Medical Education Committee (GMEC)
- d. 08/18 – 06/19 AUMC Quality/Safety Operations Committee
- e. 08/18 – 06/19 GMEC Quality Improvement Subcommittee
- f. 01/17 – 06/17 OR Safety Checklist for Gynecologic Procedures Committee
- g. 05/16 – 06/17 Root Cause Analysis Committee
- h. 05/16 – 06/17 UIHC OBGYN Residency Program Evaluation Committee
- i. 04/15 – 06/17 Obstetrics Quality Team and Obstetrics SSI Task Force

XIX. Membership and Honorary/Professional Societies

- a. Georgia OBGYN Society 2019-Current
- b. Georgia Society of the American College of Surgeons 2019-Current
- c. American College of Surgeons – Resident and Associate Society 2018-Current
- d. Mid-Atlantic Gynecologic Oncology Society 2018-Current
- e. American Society of Clinical Oncology – Fellow in Training Member 2018-Current
- f. Georgia Society of Clinical Oncology 2018-Current
- g. Alpha Chapter of the Medical College of Georgia 2018-Current
- h. University of Iowa Dept. of Ob/Gyn Alumni Society 2017-Current
- i. Alpha Omega Alpha 2011-Current
- j. Society of Gynecologic Oncology – Fellow in Training Member 2015-Current
- k. American College of Obstetrics and Gynecology – Junior Fellow in Training 2012-Current
- l. American Medical Association 2008-Current
- m. Iowa Medical Society 2013-2017
- n. American Medical Women's Association 2008-2013
- o. Arkansas Medical Society 2008-2013

XX. Medical School Honors and Awards

- a. Mary Lee and Ralph Evers Scholarship – *academic achievement*
- b. Barton Foundation Scholarship – *achieving 4.0 during medical school for M2, M3, M4 year*
- c. Dean's Office Scholarship – *anonymous nomination from a classmate, awarded for community service*
- d. Dorothy Snider Foundation Scholarship – *academic achievement and community service*
- e. Arkansas Medical Society Alliance/American Medical Association Foundation Scholarship – *academic achievement and community service*
- f. Lee Bailey Word Scholarship – *academic achievement and community service*

XXI. Post-graduate Research**a. Fellowship Thesis Project: Prognostic and therapeutic biomarkers for uterine cancers**

- i. Analysis of differential gene expression in the TCGA uterine cancer cohort to identify a unique gene signature to define the histologic subtypes of uterine cancer. The specific aim of this project is to find a better classification system to correlate with treatment and survival for women with uterine cancer. This gene signature will then be validated using samples from the Medical College Georgia from 2002-2018. Tumor tissue and control tissue will be extracted from FFPE tissue blocks and undergo RNA extraction for gene analysis.

b. Tumor derived cell culture directed chemosensitivity assay:

- i. Collection of fresh tumor specimens (tumor tissue, PAP smear cells, ascitic fluid) under the Biomarkers and Therapies for (BAT) Cancer study (IRB #611205) which are then cultured in the lab and subjected to testing with therapeutic agents typically used in all gynecologic malignancies. Patients are then studied retrospectively to analyze their clinical response which is then compared to the in vitro response of their tumor to chemotherapy. The assay predicted clinical response to therapy has been correct in 84% of cases. Within this group, 30% of these patients were correctly predicted to be resistant to frontline carboplatin and paclitaxel. The next phase of this project is to submit an investigator initiated phase II clinical trial to use the patient specific chemosensitivity data from their own tumor derived cell cultures to treat them if they have disease progression after 3 cycles of frontline standard chemotherapy ie platinum refractory disease or if they have disease progression following treatment of 3 cycles in the ie platinum resistant disease. Will also enroll patients with recurrent disease who develop platinum resistance.

XXII. Undergraduate Research Experience

- a. 11/02-12/03 Using retrograde fluorescent tracers, persisting subplate cells in the cortical white matter were mapped using a mouse model to determine if their distribution and connectivity remained consistent through maturation and old age. Studies have shown that these connections are disrupted in Alzheimer's disease and Schizophrenia. Assisted with intracranial surgeries in Swiss Webster mice, performed heart puncture perfusions of the rodents, and sectioned and mounted the brain tissue to slides.
- b. 01/03-10/03 Scanning Electron Microscopy was used to investigate if the persisting subplate cells in the cortical white matter form an interconnected network. SEM data indicated that subplate cells are positioned to distribute information between one another and with the other cortical areas as well.

XXIII. Volunteer Experience

- a. 3/18/19 Presented educational lecture during CSRA Gyn Cancer Support Group
- b. 01/19-2/19 Columbia County Youth Sports and Recreation
- c. 11/5/18 MCG American Women's Medical Association Fall Tea
 - i. *Discussed careers in OB/GYN with M1-M4 students*
- d. 11/2/18 CSRA Gyn Cancer Support Group Annual Wine Tasting Fundraiser
- e. 10/15/18 Panel Guest for the monthly Medical School Oncology Interest Group
- f. 9/19/18 CSRA Gyn Cancer Support Group Spa Day
- g. 4/23/18 MCG American Women's Medical Association Spring Tea
 - i. *Discussed careers in OB/GYN with M1-M4 students*
- h. 11/3/17 CSRA Gyn Cancer Support Group Annual Wine Tasting Fundraiser
- i. 09/27/17 CSRA Gyn Cancer Support Group Spa Day
- j. 09/17 – current Girl Scouts of America

LAKSHMI SRAVANI YARLAGADDA

AAMC ID: 13109970

EMAIL: drlakshmiyarlagadda@gmail.com

PHONE: 910-674-6357

✓
Step 1- 232
2- 215
3- 203
CS-pass

ACADEMICS

MEDICAL EDUCATION

NRI Medical School - NTR University Health Sciences, Andhra Pradesh, India

08/2004-8/2010, *Degree - MB.BS.*

COLLEGE EDUCATION

Vikas Junior School of Board of Intermediate Education, Andhra Pradesh, India

07/2001-07/2003

RESIDENCY

Howard University Hospital, Washington, D.C., USA

06/2013 to 06/2016 - *Internal Medicine Residency, MD*

CLINICAL EXPERIENCE

09/2016 to Current: *Southeastern Regional Medical Center, Lumberton, NC*

- Hospitalist and Internal medicine faculty at Campbell University.

11/2012 to 3/2013: *Odessa Heart Institute, Odessa, TX*

- Rotation in Cardiology

10/2012 to 11/2012: *Good Samaritan & Grand View Hospital, Dayton, OH*

- Rotation in Nephrology Department

09/2012 to 10/2012: *Damayanthi Pandrangi, MD PC, Flint, MI*

- Rotation in primary care office

08/2010 to 07/2012: *Sreenivasa Multispeciality Hospital, Andhra Pradesh, INDIA*

- Worked as General practitioner

02/2010 to 04/2010: *Hurley Medical Center, Flint, MI*

- Core clinical rotations at Hurley Medical Center in internal medicine

06/2009 to 07/2010: *Internship at NRI General Hospital, Andhra Pradesh, INDIA*

ACADEMIC ACHIEVEMENTS

- Awarded 2nd best outgoing student in medical school and was sponsored 8 weeks of clinical rotation at Hurley Medical Center in Flint, MI, USA during 4th year.
- Awarded "State 1st" in Biochemistry.
- Passed with Distinction in Internal Medicine, General Surgery, Obstetrics & Gynecology, Pediatrics, Ophthalmology, Preventive medicine, Pharmacology, Pathology, Microbiology, Forensic, Anatomy, Biochemistry and Physiology.
- Awarded Gold medal in Surgery in 4th-year medical school.
- Awarded Silver medal in Internal medicine in 4th-year medical school
- Awarded Gold medal in Ophthalmology in 3rd-year medical school.
- Awarded Gold medal in Pathology in 2nd-year medical school.
- Awarded Gold medal in Biochemistry in 1st-year medical school.

POSTERS/ PUBLICATIONS

- A rare type of breast cancer: primary squamous cell carcinoma of the breast
Lakshmi Yarlagadda, Thuy Le, Jasmina Hira, Benjamin Jackson, and Maleka Ahmed
- A rare case: Intracranial hemangiopericytoma with liver metastasis
Lakshmi Yarlagadda, Thuy le, Maleka Ahmed
- A rare case of spontaneous tumor lysis syndrome in metastatic melanoma with associated metastatic liver disease
Thuy le, Hironobu Takeda, Lakshmi Yarlagadda
- Spontaneous remission of b-cell lymphoma in a hospice patient following withdrawal of methotrexate treatment for rheumatoid arthritis
Thuy le, Katherine Hu, Ivan Petrich, Lakshmi Yarlagadda
- Abdominal splenosis presenting with abdominal pain and palpable mass, mimicking malignancy
Thuy le, Katherine Hu, Richard Johnson, Lakshmi Yarlagadda, and Samuel Britt
- "Aorta-esophageal fistula as a fatal complication status post esophageal stent for esophagojejunostomy anastomosis leak,"... ACG 2014 Poster
- "Rare case of neuroendocrine tumor presenting as carcinoid heart disease,"... DC ACP 2015 podium presentation
- "Bilateral quadriceps tendon rupture in a patient with chronic renal failure,"... DC ACP 2015 poster
- "Drug-induced vanishing bile duct syndrome,"... ACG 2015 Poster
- "Factors associated with inpatient bowel preparations". ACG 2015 clinical research
- "Drug-induced vanishing bile duct syndrome," AAMP 2015
- Baclofen-induced Encephalopathy... CUSOM poster

Interests/Hobbies/Extracurricular activities

- Painting, Reading books, Interior design, Cooking
- Languages Proficient in English, Telugu

APPENDIX D

Act 181

State of Arkansas

As Engrossed: S2/4/19

92nd General Assembly

A Bill

Regular Session, 2019

SENATE BILL 151

By: Senators Irvin, Bledsoe, B. Davis, J. English

By: Representatives M. Gray, Barker, Bentley, Brown, Capp, Cavanaugh, Crawford, Dalby, C. Fite,
Lundstrum, J. Mayberry, Petty, Rushing, Speaks, Vaught, Gazaway

For An Act To Be Entitled

AN ACT CONCERNING THE PURSUIT OF A NATIONAL CANCER
INSTITUTE-DESIGNATED CANCER CENTER AT THE WINTHROP P.
ROCKEFELLER CANCER INSTITUTE AT THE UNIVERSITY OF
ARKANSAS FOR MEDICAL SCIENCES; TO CREATE THE
UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES NATIONAL
CANCER INSTITUTE DESIGNATION *TRUST FUND*; AND FOR
OTHER PURPOSES.

Subtitle

CONCERNING THE PURSUIT OF A NATIONAL
CANCER INSTITUTE-DESIGNATED CANCER CENTER
AT THE WINTHROP P. ROCKEFELLER CANCER
INSTITUTE AT THE UNIVERSITY OF ARKANSAS
FOR MEDICAL SCIENCES.

BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF ARKANSAS:

SECTION 1. DO NOT CODIFY. Legislative findings.

The General Assembly finds that:

(1) In 2018, approximately sixteen thousand (16,000) Arkansans
were diagnosed with cancer in 2018, which means that forty-four (44)
Arkansans were diagnosed with cancer per day;

(2) Of those sixteen thousand (16,000) Arkansans diagnosed with
cancer, six thousand nine hundred ten (6,910) will die of the disease;

(3) The four (4) types of cancer with significantly high annual



1 diagnosis rates in Arkansas are:

2 (A) Lung and bronchus cancer, with two thousand seven
3 hundred twenty (2,720) diagnoses;

4 (B) Breast cancer, with two thousand one hundred sixty
5 (2,160) diagnoses;

6 (C) Prostate cancer, with one thousand two hundred sixty
7 (1,260) diagnoses; and

8 (D) Colon and rectal cancer, with one thousand three
9 hundred seventy diagnoses (1,370);

10 (4) Over the past twenty-eight (28) years, nationwide cancer-
11 related deaths have decreased by five percent (5%), but in Arkansas the rate
12 of cancer-related deaths has increased by nine percent (9%);

13 (5) Only Kentucky, Mississippi, and Oklahoma had higher cancer-
14 related death rates in the past twenty-eight (28) years than Arkansas;

15 (6) Cancer is the second-leading cause of death in Arkansas and
16 may become the leading cause of death within the next decade, surpassing the
17 current leading cause, cardiovascular disease, based on the diagnosis trends
18 in the state;

19 (7) There are currently seventy (70) National Cancer Institute-
20 Designated Cancer Centers, located in thirty-six (36) states and the District
21 of Columbia, including National Cancer Institute-Designated Cancer Centers in
22 Texas, Missouri, Oklahoma, and Tennessee;

23 (8) There are no National Cancer Institute-Designated Cancer
24 Centers in Arkansas, Mississippi, or Louisiana;

25 (9) In 2018, the State of Oklahoma received the seventieth
26 National Cancer Institute-Designated Cancer Center;

27 (10) Having a National Cancer Institute-Designated Cancer Center
28 in Arkansas will improve and expand access to clinical trials, cancer
29 treatment, cancer prevention, cancer screening, and education in Arkansas;

30 (11) A National Cancer Institute-Designated Cancer Center in
31 Arkansas would act as a hub of groundbreaking treatments and care for the
32 communities around the state;

33 (12) Arkansas cancer patients often times are required to leave
34 the state to receive treatment at a National Cancer Institute-Designated
35 Cancer Center;

36 (13) National Cancer Institute-Designated Cancer Centers have

1 expanded treatment options due to research grant funds and experimental
2 trials, and hundreds of research studies are underway at these centers,
3 ranging from basic laboratory research to clinical assessments of new
4 treatments not currently available in Arkansas;

5 (14) Having a National Cancer Institute-Designated Cancer Center
6 in the state would save the lives of thousands of Arkansans through expanded
7 treatment opportunities, including opportunities to participate in
8 experimental cancer treatments;

9 (15) Being a National Cancer Institute-Designated Cancer Center
10 would allow the Winthrop P. Rockefeller Cancer Institute at the University of
11 Arkansas for Medical Sciences to be awarded more research funds, which will
12 provide additional experimental cancer treatments in the state;

13 (16) A National Cancer Institute-Designated Cancer Center will
14 provide support for cancer treatment providers, clinics, and hospitals in
15 Arkansas;

16 (17) In addition to the human suffering caused by cancer, there
17 are economic costs that result from the disease, including medical costs and
18 the impact on the productivity of the cancer patient and his or her family;

19 (18) The Winthrop P. Rockefeller Cancer Institute at the
20 University of Arkansas for Medical Sciences is pursuing designation as a
21 National Cancer Institute-Designated Cancer Center for the benefit of the
22 more than three million (3,000,000) citizens of Arkansas;

23 (19) The National Cancer Institute recommends that a cancer
24 center have at least twenty million dollars (\$20,000,000) in National Cancer
25 Institute-funded research;

26 (20) The Winthrop P. Rockefeller Cancer Institute at the
27 University of Arkansas for Medical Sciences currently has approximately ten
28 million dollars (\$10,000,000) in National Cancer Institute-funded research;

29 (21) The Winthrop P. Rockefeller Cancer Institute at the
30 University of Arkansas for Medical Sciences can apply for only a limited
31 number of National Cancer Institute grant funds because over sixty percent
32 (60%) of the National Cancer Institute's grant applications require that the
33 cancer center be a National Cancer Institute-Designated Cancer Center in
34 order to apply for the grant funds;

35 (22) In order to achieve status as a National Cancer Institute-
36 Designated Cancer Center, the Winthrop P. Rockefeller Cancer Institute at the

1 University of Arkansas for Medical Sciences will need to recruit:

2 (A) A renowned expert in cancer research to serve as the
3 Director of the Winthrop P. Rockefeller Cancer Institute at the University of
4 Arkansas for Medical Sciences; and

5 (B) Nationally recognized National Cancer Institute-funded
6 medical professionals;

7 (23) To be successful in gaining status as a National Cancer
8 Institute-Designated Cancer Center, ongoing, dedicated financial support from
9 the State of Arkansas is critical;

10 (24) The Winthrop P. Rockefeller Cancer Institute at the
11 University of Arkansas for Medical Sciences will need a stream of funding
12 between ten million dollars (\$10,000,000) and twenty million dollars
13 (\$20,000,000) per year to establish and maintain a National Cancer Institute-
14 Designated Cancer Center;

15 (25) Like other states that have been successful in securing
16 status as a National Cancer Institute-Designated Cancer Center for their
17 cancer centers, it is incumbent that the State of Arkansas invest in this
18 initiative;

19 (26) It is a strategic goal of the Winthrop P. Rockefeller
20 Cancer Institute at the University of Arkansas for Medical Sciences to
21 becomes a National Cancer Institute-Designated Cancer Center;

22 (27) State government funds will assist the Winthrop P.
23 Rockefeller Cancer Institute at the University of Arkansas for Medical
24 Sciences secure vital investments from other public and private sources;

25 (28) The Winthrop P. Rockefeller Cancer Institute at the
26 University of Arkansas for Medical Sciences is committed to raising at least
27 thirty million dollars (\$30,000,000) in private funds to support the pursuit
28 of achieving status as a National Cancer Institute-Designated Cancer Center;

29 (29) The private resources pursued by the Winthrop P.
30 Rockefeller Cancer Institute at the University of Arkansas for Medical
31 Sciences are a part of a cohesive and focused plan that will forever change
32 the state;

33 (30) It is estimated that having a National Cancer Institute-
34 Designated Cancer Center will bring in an additional seventy million dollars
35 (\$70,000,000) annually to Arkansas's economy and will create one thousand
36 five hundred eighty-four (1,584) new jobs over five (5) years;

1 (31) The state should establish a fund solely for the purpose of
2 pursuing and maintaining status as a National Cancer Institute-Designated
3 Cancer Center for the Winthrop P. Rockefeller Cancer Institute at the
4 University of Arkansas for Medical Sciences;

5 (32) If upon June 30, 2027, the Winthrop P. Rockefeller Cancer
6 Institute at the University of Arkansas for Medical Sciences has not achieved
7 status as a National Cancer Institute-Designated Cancer Center, then the fund
8 created in this act should sunset; and

9 (33) Future General Assemblies will have the authority and
10 responsibility to evaluate the progress of the Winthrop P. Rockefeller Cancer
11 Institute at the University of Arkansas for Medical Sciences toward achieving
12 status as a National Cancer Institute-Designed Cancer Center and adjust this
13 act accordingly.

14
15 SECTION 2. Arkansas Code Title 19, Chapter 5, *Subchapter 11*, is
16 amended to add an additional section to read as follows:

17 19-5-1149. University of Arkansas for Medical Sciences National Cancer
18 Institute Designation Trust Fund – Report.

19 (a) There is created on the books of the Treasurer of State, the
20 Auditor of State, and the Chief Fiscal Officer of the State a trust fund to
21 be known as the “University of Arkansas for Medical Sciences National Cancer
22 Institute Designation Trust Fund”.

23 (b) The fund shall consist of:

24 (1) Moneys obtained from private grants or other sources that
25 are designated to be credited to the fund; and

26 (2) Any other funds authorized or provided by law.

27 (c) The fund shall be used by the Winthrop P. Rockefeller Cancer
28 Institute at the University of Arkansas for Medical Sciences solely to
29 achieve and maintain status as a National Cancer Institute-Designated Cancer
30 Center.

31 (d) The Treasurer of State shall invest the moneys available in the
32 fund.

33 (e)(1) The investment of funds under this section is exempt from § 19-
34 3-518(a)(2)(B)(i)(b) and (c).

35 (2) Moneys in the fund may be invested in any instrument:

36 (A) Listed in § 19-3-518(b)(1)(B); and

1 (B) Approved by the guidelines established by the State
2 Treasury investment policy approved by the State Board of Finance.

3 (f) Moneys remaining in the fund at the end of each fiscal year shall
4 carry forward and be made available for the purposes stated in this section
5 in the next fiscal year.

6 (g)(1) The Winthrop P. Rockefeller Cancer Institute at the University
7 of Arkansas for Medical Sciences shall submit a semiannual report containing
8 the following information to the Governor; the Legislative Council or, if the
9 General Assembly is in session, the Joint Budget Committee; the Senate
10 Committee on Public Health, Welfare and Labor; and the House Committee on
11 Public Health, Welfare, and Labor:

12 (A) The balance of the fund as of the reporting date;

13 (B) A list of the administrative costs paid for from the
14 fund, including without limitation salaries, pensions, and packages;

15 (C) The total revenue received by the fund during the
16 reporting period; and

17 (D) A detailed description of the steps taken and the
18 progress made toward achieving status as a National Cancer Institute-
19 Designated Cancer Center during the reporting period.

20 (2) The semiannual report required under this subsection shall
21 be submitted by January 1 and July 1 of each year.

22
23
24 /s/Irvin

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27 APPROVED: 2/19/19
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